

ANNUAL REPORT
OF
THE MINES BRANCH
OF THE
Department of Lands and Mines
OF THE
PROVINCE OF ALBERTA

1940



EDMONTON:
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1941

Edmonton, Alberta,
February 15, 1941.

TO THE HON. N. E. TANNER,
Minister of Lands and Mines.

SIR:

I herewith submit the report of The Mines Branch for the year
ending December 31, 1940.

Respectfully submitted,

A. A. MILLAR,
Chief Inspector of Mines.

ANNUAL REPORT OF THE MINES BRANCH FOR THE YEAR
ENDING DECEMBER 31st, 1940

(ANDREW A. MILLAR, *Chief Inspector*)

The output of coal produced from mines in the Province during the year 1940 was 6,205,088 tons, with a valuation of \$16,334,323.11, this being an increase of 686,983 tons over the output produced for 1939, and is the highest tonnage produced since 1929.

In addition to the above tonnage, there were 322 tons produced by farmers under permit, for their own use, which has not been included in the total output.

The disposition of coal during the year was as follows: 1,311,644 tons sold for consumption in Alberta; 1,745,135 tons sold for consumption in other Provinces of Canada; 35,354 tons to the United States; 2,720,793 tons sold to railroad companies; 62,376 tons were used in making briquettes; 105,926 tons used in making coke; 132,285 tons used under colliery boilers; 7,489 tons used by colliery railroads; 50,148 tons were put to stock, and 89,638 tons were put to waste.

The railways were chiefly responsible for the increased output, taking 511,109 tons more than in 1939. Ontario has also helped by taking more coal.

During the year 5 shale pits produced 35,614 tons of shale and clay from which 9,885,326 bricks and 5,712 tons of hollow tile were made.

There were 278 mines producing coal during the year, of which 6 were opened, 2 re-opened and 22 abandoned. In addition to the mines abandoned, 24 were closed, leaving 235 mines in operation as at December 31st, 1940.

The number of men employed during the month of December was 9,070, being 35 more than for the corresponding month of 1939.

No changes were made in the staff of The Mines Inspectorate during the year.

The number of fatal accidents for the year was 13 as compared with 17 in 1939.

Very little labour trouble occurred during the year just closed.

Samples of mine air were taken at various mines during the year by the inspectors, and sent to the Chemistry Branch of the Department of Mines, Ottawa, for analyses, this being done in addition to testing the air with the Burrell, McLuckie and M.S.A. Detectors.

Samples of coal have been collected and forwarded to the Industrial Research Council, University of Alberta, for analyses.

All fatal and serious accidents have been investigated by the inspectors, who also attended the inquests in their districts, this being in addition to the regular inspection of the mines. All complaints made to the Department were also investigated.

There were 18 prosecutions instituted for contraventions of The Mines Act, made up as follows: 1 operator, 1 manager, 2 overmen, 1 examiner, 1 master mechanic, 5 miners, and 7 farmers.

There were 31,660,119 K.W. hours of electrical power purchased and used by the mines in the Province during the year.

The distribution of purchased power by the mines in the various areas was as follows:

Big Valley, 8,680 K.W. hours, purchased from the Union Power Co., Ltd., Drumheller, who also supplied 136,300 K.W. hours to mines in Carbon, and 4,727,557 K.W. hours to mines in the Drumheller area.

The Calgary Power Co., Ltd., supplied electrical power to mines in areas as follows: Camrose, 9,280 K.W. hours; Cascade, 1,162,670 K.W. hours; Edmonton, 488,880 K.W. hours; Gleichen, 1,865 K.W. hours; Lethbridge, 2,110,990 K.W. hours; Taber, 9,700 K.W. hours; Nordegg, 1,576,000 K.W. hours; and Saunders, 101,200 K.W. hours.

The City of Edmonton supplied 784,462 K.W. hours to the Edmonton mines.

The City of Medicine Hat supplied mines in Redcliff area with 75,000 K.W. hours.

The mines in the Crowsnest area purchased 20,407,985 K.W. hours from the East Kootenay Power Co., Ltd.

Two mines in the Coalspur area exchanged 59,550 K.W. hours.

It is reported that 1,830 hard hats, 430 pairs of safety shoes, 92 pairs of goggles and 470 pairs of knee caps were being used by miners and other underground employees, which is a considerable increase in protective equipment over that reported in 1939.

Owing to war conditions, closer control of explosives used at the mines has become necessary. Purchase permits are issued for the obtaining of same by the inspectors, and magazines and storage places in many cases have been improved. Steps were also taken to have them better supervised and safeguarded.

No actual shortage of labour has been experienced, but some mines reported more difficulty in getting help than was formerly the case.

It might become necessary to give some consideration to this matter if men continue leaving the mines to enlist for war services.

During the year 321 miners were granted certificates, 65 of these being Class "A" certificates, and 15,934 miners' certificates have now been issued since certification was introduced.

No large developments of importance have taken place during the year, but the North American Collieries Ltd. has started operations at East Coulee with a view to opening a new mine there, but development will be gradual and only a limited tonnage will be produced for some time.

During the year there has been a trend towards further mechanization, particularly in the use of Duckbill loaders.

At the Red Deer Valley Mine, the new tippie to replace the one destroyed by fire was completed, and underground a Goodman Duckbill loader was installed, together with a shaker conveyor. Two Mecoc conveyors were also installed.

One five-foot diameter low pressure La Del trolley fan, driven by a 15 H.P. Canadian General Electric air cooled explosion proof motor, running at 1,200 R.P.M., has been installed underground as

an auxiliary to the main fan. A direct rope hoist driven by a 7½ H.P. totally enclosed motor for haulage purposes was also installed underground.

The Rosedale Mine, Rosedale, has also installed a Duckbill loading unit, as has the Regal Mine at East Coulee.

The Regal has also installed one Goodman Shortwall machine, driven by a 35 H.P. motor. The cutter bar on this machine is 8 feet 6 inches long.

Cardox for blasting is largely used at this mine.

At the new Monarch Mine, a Duckbill loader connected with a Goodman conveyor unit has been installed, driven by a 20 H.P. permissible motor.

Two motor generator units for use in charging storage battery locomotives were installed at this mine, also a small hoist for haulage purpose, driven by a 15 H.P. totally enclosed motor.

At the Star Mine of Rosedale Collieries Ltd. a station was built for the purpose of charging a Mancha storage locomotive, which was put into service.

The Brilliant Mine also installed one Standard Permissible Mancha battery locomotive of 20 H.P., equipped with Exide batteries.

At the Newcastle Mine, an electrically driven hoist of the single drum type, driven by a 15 H.P. totally enclosed motor, has been installed.

The Midland No. 1 Mine has been abandoned and isolated from their No. 2 Mine by a concrete stopping, placed in the only place joining the workings of the two mines.

A new mine was opened by W. C. Allen and partners near Wayne, but the coal was not of the quality expected, and for the present work has been discontinued.

The Red Flame Coal Co. Ltd. mine near Round Hill has made considerable improvement to their tippie and screening plant during the year, and it is expected a larger output will be produced in future.

Very little work of moment has been carried on in the Edmonton field, and the market for coal in this territory is materially affected by competition from natural gas. The following are the chief items of note:

During the year the Marcus Mine in the Clover Bar district has been abandoned, and the Fraser-MacKay Mine is also nearly finished, only some old pillars being extracted.

Both mines in the past were large producers. The McDonell Mine, near Namao, was purchased by W. C. MacKay and associates in September, and is now being operated by them under the name of the Edmonton Collieries Ltd.

The Great West Coal Co. Ltd. has installed in their mine, two belt conveyors for use in wide room work, being electrically driven.

The coal is loaded at the face into one conveyor which feeds on to the other, working and conveying the coal out of the room.

The Rabbit Hill Collieries has now ceased operations, being forced to abandon their new mine after getting same into operation. Difficulty was experienced in keeping their shafts open owing to sand and other accompanying conditions, and the mine had to be abandoned.

The Standard Mine of the Lethbridge Collieries Ltd. has been operating a Duckbill loader with conveyor equipment for some considerable time, and report favourably on its use. This mine is also using Cardox exclusively for blasting.

At the No. 8 Mine of this Company the hoist at the man shaft has been electrified, and three separate sources of power are provided for same.

The new fan of the Thermobank type is now in operation, and is giving satisfactory results, and other additional equipment has been added at this mine.

At the International Mine, a total of 2,670 feet of rock tunnel work was completed during the year, and some reinforced concrete arching was put in. Some cleaning and drying plant was also installed.

Some tipple changes were also made at the McGillivray Creek Mine this year.

At the Greenhill Mine of the West Canadian Collieries Ltd., the installation of a dryer and briquetting plant has been completed, and the vacuum dust cleaner previously in service has been replaced by a new and larger one.

Steel continues to be used exclusively at this mine for main road support, chiefly in the form of steel arches and steel uprights, according to the form most suitable for the conditions. Very little squeeze is showing, same evidently being taken up by the lagging above acting as a cushion.

At the Bellevue Mine of the same Company, a new Ottumwa box car loader was put into service. An air compressor of 2,000 cubic feet capacity at 105 lbs. gauge pressure has been installed, also a coal crusher and some cleaning and drying plant.

Steel has been used to replace timber in No. 8 slope, and an excellent job is being made.

At the Mohawk Mine, a main and tail haulage system has been installed; same is operated by an adapted steam hoist, driven by a 200 H.P. electric motor.

A new building to house two compressors has been built, one of 1,200 cubic feet capacity being a recent addition.

A new office, lamphouse and other buildings have been added at this mine, and much work in improving and modernizing the plant has been done. This includes the tipple and cleaning plant.

At Foothills Collieries Ltd., a small hoist and fan, both electrically driven, have been installed, but no changes of major importance have been made at the sub-bituminous mines in the Coalspur area.

At Cadomin, a rock raise is being driven from No. 7 Panel to give outlet to the surface, with a view to improving ventilation and gas conditions.

Due to an ignition of gas at Alexo, which resulted in the death of an examiner, that mine, and also the Bighorn and Saunders Creek Mine, have now installed miners' electric lamps.

To meet the requirements of The Mines Act, many mines have installed fans, weigh scales and have replaced wooden track with steel rails. Some others have not yet, however, fully complied with these requirements.

During the year inspections were made of all the electrical plant and equipment in use at the different mines in the Province, and arising from same, considerable changes and improvements, with a view to increasing safety in their operation, has resulted.

At the end of the year there were 74 mines using electricity, but 16 of these were only using same for the purpose of charging miners' electric lamps.

Two electrically equipped mines, the Marcus Coals Ltd. and the Jasper Coal Ltd., ceased operations during the year.

ANNUAL PRODUCTION OF COAL FROM MINES IN THE PROVINCE OF ALBERTA

The following table is taken from a report prepared by the Dominion Bureau of Statistics and published in "Coal Statistics for Canada" for the year 1939:

Calendar Year	Short Tons	Value
1886	43,220	\$ 81,112
1887	74,152	157,577
1888	115,124	183,354
1889	97,364	179,640
1890	128,753	198,298
1891	174,131	437,243
1892	178,970	460,605
1893	230,070	586,260
1894	184,940	473,827
1895	169,885	382,526
1896	209,162	581,832
1897	242,163	630,408
1898	315,088	787,720
1899	309,600	774,000
1900	311,450	778,625
1901	340,275	850,687
1902	402,819	960,601
1903	495,893	1,117,541
1904	661,732	1,404,524
1905	931,917	1,993,915
1906	1,246,360	2,614,762
1907	1,591,579	3,836,286
1908	1,685,661	4,127,311
1909	1,994,741	4,838,109
1910	2,894,469	7,065,736
1911	1,511,036	3,979,264
1912	3,240,577	8,113,525
1913	4,014,755	10,418,941
1914	3,683,015	9,350,392
1915	3,360,818	8,283,079
1916	4,559,054	11,386,577
1917	4,736,368	14,153,685
1918	5,972,816	20,537,287
1919	4,933,660	18,205,205
1920	6,907,765	30,186,933
1921	5,909,217	27,246,514
1922	5,990,911	24,351,913
1923	6,854,397	28,018,303
1924	5,189,729	18,884,318
1925	5,869,031	20,021,484
1926	6,503,705	20,886,103
1927	6,934,162	21,982,058
1928	7,336,330	23,532,414
1929	7,150,693	22,928,182
1930	5,755,528	18,063,225
1931	4,564,015	13,342,675
1932	4,870,648	13,526,309
1933	4,718,788	12,307,258
1934	4,753,810	12,556,099
1935	5,462,894	14,094,795
1936	5,696,960	14,659,705
1937	5,562,839	14,563,911
1938	5,251,233	13,698,470
1939	5,519,208	14,415,281
Total	167,843,480	\$519,196,404

NOTE: Production quantities and values prior to 1919 refer to sales and colliery consumption. From 1919 to 1939 the mine output figures are given.

ANNUAL CONSUMPTION OF COAL IN CANADA, 1902-1939

The following revised table is taken from the report issued by the Dominion Bureau of Statistics for the year 1939.

Year	Canadian*		Imported coal "Entered for consumption"		Total	Per Capita
			From U.S.A.	From Great Britain		
	Short tons	%	Short tons	Short tons	Total†	%
1902	5,376,413	53.1	4,656,286	101,726	4,734,559	46.9
1903	6,005,735	47.3	6,520,931	184,593	6,678,450	52.7
1904	6,697,183	47.9	7,238,869	85,687	7,297,482	52.1
1905	7,032,661	49.4	7,233,738	68,500	7,215,446	50.6
1906	7,927,560	50.5	7,787,338	67,014	7,758,325	49.5
1907	8,617,352	45.0	10,588,697	54,325	10,549,503	55.0
1908	8,156,478	47.3	10,203,335	97,514	10,195,424	52.7
1909	8,913,376	47.9	9,805,253	67,671	9,711,101	52.1
1910	10,532,103	50.2	10,545,451	51,541	10,437,123	49.8
1911	9,822,749	40.5	14,510,129	48,963	14,421,949	59.5
1912	12,385,696	46.0	14,557,124	38,668	14,421,949	54.0
1913	13,450,158	42.6	18,145,769	37,825	18,132,387	57.1
1914	12,214,403	45.5	14,697,853	33,101	14,637,920	54.5
1915	11,500,480	48.1	12,450,796	13,098	12,463,912	51.7
1916	12,318,036	41.3	17,576,202	4,401	17,517,820	58.7
1917	12,313,803	37.2	20,848,009	9,451	20,810,132	62.8
1918	11,160,731	37.8	21,674,826	3,761	21,611,101	62.2
1919	11,611,168	40.3	17,292,913	3,761	17,236,269	59.7
1920	14,023,566	42.9	18,752,981	1,591	18,688,741	57.1
1921	12,715,734	41.1	18,300,981	765,980	18,238,387	58.9
1922	13,644,352	50.2	12,255,355	572,570	12,962,189	49.8
1923	13,070,962	41.8	20,417,239	317,112	20,967,971	58.2
1924	13,528,358	42.8	16,405,344	604,117	16,714,143	57.2
1925	12,125,290	42.6	13,744,957	287,299	16,331,971	57.4
1926	13,086,296	47.7	16,204,405	907,220	16,565,535	52.3
1927	15,944,983	46.7	17,266,434	682,755	18,177,303	53.3
1928	16,487,807	50.0	15,830,688	843,502	16,515,582	50.0
1929	16,387,461	48.0	16,780,452	1,144,861	17,724,132	52.0
1930	14,052,671	43.3	16,971,933	987,442	18,412,039	56.7
1931	11,682,779	47.7	11,793,798	1,727,716	12,828,327	52.3
1932	11,217,701	49.0	9,889,866	1,942,875	11,654,492	51.0
1933	11,456,273	51.5	8,865,935	1,981,116	12,651,168	48.9
1934	13,236,406	51.1	10,580,710	1,822,500	11,735,835	46.9
1935	13,306,303	53.1	9,618,518	1,498,656	12,542,138	45.9
1936	14,508,642	53.3	10,801,643	1,211,052	12,719,515	46.7
1937	15,172,729	51.5	12,574,574	1,257,887	14,268,585	48.5
1938	13,800,094	53.5	10,754,717	1,099,419	12,012,634	46.5
1939	14,902,915	50.7	12,838,347	1,099,419	14,479,668	49.3

*The sum of Canadian coal-mine sales, colliery consumption, coal supplied to employees, and coal used in making coke, etc., less the tonnage of coal exported.

†Includes small tonnages from countries other than Great Britain and the United States. Deductions have been made to take account of foreign coal re-exported from Canada and bituminous coal ex-warehoused for ships' stores.

The following table shows the quantity of coke imported into Canada during the years 1938, 1939 and 1940, through ports in the Provinces, compiled from information from the Dominion Bureau of Statistics:

Ports in Province of	1938 Coke		1939 Coke		1940 Coke	
	Made from Petroleum	Made from Coal	Made from Petroleum	Made from Coal	Made from Petroleum	Made from Coal
Prince Edward Island		7,193		937		1,116
Nova Scotia	224	19,215		23,442		32,572
New Brunswick	49,990	353,125	53,722	381,179	107,776	660,868
Quebec	30,335	23,451	93,334	18,209	77,105	13,881
Central Ontario		10,794		10,375		8,498
Head of Lakes						
Manitoba						
Saskatchewan						
Alberta	545	904	634	1,729	453	600
British Columbia						
Total	81,294*	414,682	147,690	435,871	185,334	717,535

Imports of COKE into Canada, by Countries, 1938, 1939 and 1940:

United States	81,294*	406,763	147,690	433,617	185,334	708,307
Great Britain		3,388		2,254		9,228
Germany		4,531				
Total	81,294*	414,682	147,690	435,871	185,334	717,535

*Revised.
NOTE: These figures show the total imports and not the tonnages entered for consumption. Coal and coke import data covers all tonnages landed at Canadian ports.

Quantity of coal in tons entered for consumption for each year since 1919, through ports in the Provinces of Ontario, Manitoba, Saskatchewan, Alberta, British Columbia and Yukon.

BITUMINOUS COAL

Year	Central Ontario	Port Arthur	Fort Frances	Fort William	Total Ontario	Manitoba	Saskatchewan	Alberta	British Columbia & Yukon	Total Canada
1919	7,641,682	483,991	59,253	1,063,793	9,248,719	62,746	1,406	1,131	6,700	12,010,490
1920	10,261,237	571,879	111,957	1,391,709	12,336,903	43,547	535	607	13,128	15,902,632
1921	8,605,872	659,763	127,956	1,316,155	10,709,746	76,833	2,127	1,820	17,081	13,536,250
1922	7,424,171	445,019	68,082	1,517,250	9,454,522	74,848	1,484	1,147	13,966	11,563,467
1923	11,621,859	619,037	95,439	1,731,667	14,068,002	112,134	1,607	1,110	17,919	17,517,108
1924	8,763,676	403,388	70,259	1,500,525	10,737,848	143,607	2,422	1,209	25,049	12,619,082
1925	9,100,462	286,984	81,173	497,264	9,884,710	147,758	1,732	1,175	40,286	13,015,323
1926	10,531,095	199,908	83,182	965,105	11,696,108	149,374	1,887	1,515	32,992	13,802,242
1927	11,572,678	221,694	90,864	1,273,691	13,158,927	142,860	2,141	1,324	22,648	15,178,640
1928	10,539,408	194,718	103,594	1,481,228	12,318,948	97,002	2,536	1,360	18,682	13,966,183
1929	11,232,027	143,889	100,141	1,591,656	13,067,713	38,801	2,477	1,327	18,526	14,585,275
1930	10,421,748	165,499	70,403	1,297,939	11,955,589	24,898	1,816	1,351	8,886	13,345,308
1931	8,553,736	86,810	65,738	609,279	9,315,563	7,041	1,535	912	2,308	10,347,280
1932	6,867,307	62,019	48,915	691,831	7,670,072	12,298	1,459	830	3,582	8,532,318
1933	7,038,386	74,934	30,108	482,206	7,625,634	13,213	1,327	998	26,077	8,427,656
1934*	8,472,143	126,671	37,085	602,510	9,238,409	12,103	1,235	1,302	2,301	10,268,945
1935*	8,032,739	6,033	53,145	591,810	8,683,727	9,918	952	1,136	3,722(a)	9,549,457(b)
1936*	8,448,795	156,229	67,784	688,950	9,361,758	14,101	847	1,205	3,524(d)	10,200,253(e)
1937*	9,946,567	128,595	69,598	820,160	10,964,920	12,079	743	1,293	2,540(g)	12,241,270(h)
1938*	7,981,712	113,746	56,598	698,371	8,850,635	9,061	783	1,116	2,701(k)	9,567,334(l)
1939*	8,035,174	76,532	53,772	528,887	8,695,365	15,035	862	990	1,908(m)	9,903,613(o)
1940*	11,312,806	28,363	30,138	503,782	11,875,089	7,066	692	795	2,391	13,578,705(x)

ANTHRACITE COAL

Year	Central Ontario	Port Arthur	Fort Frances	Fort William	Total Ontario	Manitoba	Saskatchewan	Alberta	British Columbia & Yukon	Total Canada
1919	2,977,913	119,234	559	346,442	3,444,148	12,906	...	66	136	4,972,283
1920	2,943,134	69,206	2,648	226,476	3,221,464	17,509	206	517	75	4,912,964
1921	2,809,189	62,782	138	198,108	3,070,217	33,473	254	66	251	4,567,370
1922	1,586,924	21,507	12	36,018	1,644,466	17,715	231	...	1,261	2,693,957
1923	3,061,779	28,229	429	34,329	3,144,766	53,856	2,291	...	1,174	5,167,881
1924	2,599,568	4,775	237	84,513	2,689,093	34,222	1,720	...	687	4,183,594
1925	2,203,281	37	170	50,731	2,254,049	34,336	702	30	246	3,798,744
1926	2,458,674	...	56	60,810	2,519,494	17,990	464	...	5,202	4,242,932
1927	2,123,515	...	51	79,283	2,202,849	13,863	484	...	3,812	4,063,619
1928	2,179,022	...	42	57,494	2,236,538	10,130	579	...	2,241	3,737,333
1929	2,246,063	352	303	52,369	2,299,087	9,180	363	...	397	4,019,317
1930	2,080,457	...	224	45,241	2,125,922	8,323	367	...	1,123	4,256,090
1931	1,615,643	...	...	18,302	1,633,945	3,695	...	3	33	3,178,141
1932	1,250,755	...	3	12,677	1,263,435	3,800	57	75	702	3,138,157
1933	1,129,041	...	8	8,742	1,137,791	5,669	...	...	3,657	3,035,613
1934*	1,374,881	...	3,030	7,934	1,385,845	6,086	49	...	282	3,451,318(c)
1935*	1,370,119	...	19	9,455	1,379,593	5,852	58	...	1,600	3,530,040(f)
1936*	1,436,613	...	135	16,350	1,453,098	5,884	66	34	1,151	3,572,268(j)
1937*	1,608,653	...	8	21,052	1,629,713	5,639	39	...	61	3,714,001(m)
1938*	1,697,601	...	69	16,050	1,713,720	4,674	...	33	280	3,377,805(p)
1939*	2,043,142	...	297	18,459	2,061,898	4,696	34	...	236	3,964,862(q)
1940*	2,033,585	...	...	10,371	2,044,156	4,466	...	...	...	...

*These figures show the total imports and not the tonnages entered for consumption.

(a) Includes imports into the Yukon Territory of 10 tons in July and 10 tons in October.

(b) Consists of 9168,428 tons imported from the United States, 380,645 tons imported from Great Britain, 43 tons imported from Alaska, 285 tons imported from Norway, 55 tons imported from Estonia, and 1 ton imported from Poland.

(c) Consists of 1,670,085 tons imported from the United States, 1,454,521 tons imported from Great Britain, 205,045 tons imported from Germany, 67,220 tons imported from Belgium, and 54,447 tons imported from French Indo-China.

(d) Includes imports into the Yukon Territory of 4 tons in April, 3 tons in May, 6 tons in June, 45 tons in July, and 2 tons in October.

(e) Consists of 10,042,127 tons imported from the United States, 149,905 tons imported from Great Britain, 9,421 tons imported from Germany, 361 tons imported from Norway, 124 tons imported from Denmark, 45 tons imported from Sweden, 35 tons imported from the Netherlands, 134 tons imported from Estonia, and 286 tons imported from Newfoundland.

- (f) Consists of 1,885,848 tons imported from the United States, 1,331,279 tons imported from Great Britain, 359,994 tons imported from Germany, 33,543 tons imported from Belgium, 122,572 tons imported from French Indo-China, 16,231 tons imported from the Netherlands, and 1,120 tons imported from China.
- (g) Includes imports into the Yukon Territory of 4 tons in March, 6 tons in May, 6 tons in June, 45 tons in July and 2 tons in October.
- (h) Consists of 12,333,378 tons imported from the United States, 56,073 tons imported from Great Britain, 54,061 tons imported from Germany, 113 tons imported from Norway, and 200 tons imported from Esthonia.
- (j) Consists of 2,003,317 tons imported from the United States, 1,134,855 tons imported from Great Britain, 258,257 tons imported from Germany, 8,131 tons imported from Belgium, 154,495 tons imported from Russia, and 78 tons imported from Morocco.
- (k) Includes imports into the Yukon Territory of 8 tons in March, 10 tons in July, and 8 tons in October.
- (l) Consists of 9,644,020 tons from the United States, 65,957 tons from Great Britain, 34,258 tons from Germany, and 417 tons from Japan.
- (m) Consists of 1,973,610 tons from the United States, 1,199,131 tons from Great Britain, 407,031 tons from Germany, 34,182 tons from Belgium, 14,952 tons from Russia, 19,645 tons from Morocco, 37,594 tons from the Netherlands, and 30,302 tons from French Indo-China.
- (n) Includes imports into the Yukon Territory of 15 tons in July and 8 tons in December.
- (o) Consists of 9,836,110 tons from the United States, 67,483 tons from Great Britain, and 20 tons from Norway.
- (p) Consists of 2,605,765 tons from the United States, 1,034,901 tons from Great Britain, 293,602 tons from Germany, and 43,537 tons from French Indo-China.
- (q) Consists of 2,643,588 tons from the United States and 1,321,274 tons from Great Britain.
- (x) Consists of 13,382,389 tons from the United States and 196,316 tons from Great Britain.

Imports of Coal into Ontario, Manitoba, Saskatchewan, Alberta, British Columbia, Yukon and Canada, by months during 1940 (short tons):

BITUMINOUS COAL.

Month	Central Ontario	Port Arthur	Fort Frances	Fort William	Total Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Total Man., Sask., Alta., B.C. and Yukon	Total Canada
January	263,604		4,045		267,649	957	41	76	252		1,250	292,236
February	279,258		3,064		282,322	837	32	73	616		1,561	302,194
March	242,506		3,204		245,710	789	34	101	205		896	292,465
April	416,287		3,738	18,331	438,356	379	40	102	113		797	467,183
May	1,668,313		3,240	46,906	1,717,559	510	72	99	168		1,951,762	1,951,762
June	1,532,725	10,283	2,487	119,679	1,655,184	279	135	113	40		1,891,249	1,891,249
July	1,476,535	2	2,380	82,333	1,559,250	484	124	35	206		1,956,381	1,956,381
August	1,395,206	103	2,075	1,679,347	1,456,352	554	92	68	260		1,852,979	1,852,979
September	1,344,188	13,858	1,396	97,410	1,456,352	344	72	31	50		1,239,366	1,239,366
October	990,763	4,117	1,214	62,209	1,056,303	699	48	97	18		862	1,050,923
November	900,050		1,510	4,043	905,603	699	48	97	18		862	1,050,923
December	553,281		1,775	2,208	557,264	578			663		1,241	623,425
Total	11,312,806	28,363	30,138	503,782	11,875,089	7,066	692	795	2,591		11,144	13,578,705*

*Consists of 13,382,389 tons from the United States and 196,316 tons from Great Britain.

ANTHRACITE COAL

Month	Central Ontario	Port Arthur	Fort Frances	Fort William	Total Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Total Man., Sask., Alta., B.C. and Yukon	Total Canada
January	112,605				112,605	524					524	164,393
February	104,180				104,180	426					426	155,280
March	104,721				104,721	445					445	137,969
April	98,875				98,875	382					382	127,995
May	222,122				222,122	318	3				321	420,612
June	305,096		3,942		309,038	352					352	522,859
July	281,856				281,856	285					285	594,362
August	200,336			30	200,366	211	31				242	439,989
September	169,634				169,634	403					403	419,102
October	136,935			5,655	142,590	315					315	355,033
November	168,302			944	169,246	269			236		269	408,601
December	128,923				128,923	536					772	218,667
Total	2,033,585			10,571	2,044,156	4,466	34		236		4,736	3,964,862*

*Consists of 2,643,588 tons from the United States, 1,321,274 tons from Great Britain.

MINERAL PRODUCTION OF ALBERTA, 1939 AND 1940

Prepared in the Mining, Metallurgical and Chemical Branch, Ottawa, Canada

	1939		1940(a)	
	Quantity	Value	Quantity	Value
METALLICS:				
Gold, fine ounces	359	\$ 12,974	215	\$ 8,278
Silver, fine ounces	32	13	20	8
NON-METALLICS:				
Coal, short tons	5,519,208	14,415,281	6,202,936	16,376,312
Natural Gas, M. cu. ft.	22,513,660	4,915,821	22,736,000	4,956,000
Petroleum, barrels	7,576,932	9,362,363	8,493,000	10,675,000
Salt, tons	3,319	37,526	6,742	185,430
Sodium sulphate, tons	30	186	10	50
CLAY PRODUCTS AND OTHER				
STRUCTURAL MATERIALS:				
Cement, barrels	377,846	744,357	414,183	832,508
Clay products		461,079		838,856
Lime:				
Quicklime, tons	12,113	104,772		
Hydrated, tons	386	3,860	15,436	135,360
Sand and gravel, tons	817,168	619,105	1,638,068	1,046,867
Stone, tons	3,048	14,280	20,890	42,173
Total		\$30,691,617		\$35,096,842

(a) Subject to revision.

Particulars with reference to the coal-mining industry in the Province of Alberta during the year ending December 31st, 1940:

SUMMARY OF STATISTICS

Tonnage stripped by farmers under domestic permits	322
Number of short tons of coal produced	6,205,088
Number of short tons of briquettes produced	66,127
Number of short tons of coke produced	70,753
Number of short tons of shale produced	35,614
Number of coal mines in operation during the year	278
Number of mines opened during the year	6
Number of mines re-opened during the year	2
Number of mines closed during the year	24
Number of mines abandoned during the year	22
Number of shale pits in operation during the year	5
Number of mines in operation at December 31st, 1940	235
124 mines or 44.60% of total operating produced 80% of the output.	
67 mines or 24.10% of total operating produced 2.37% of the output.	
19 mines or 6.83% of total operating produced 2.23% of the output.	
37 mines or 13.31% of total operating produced 14.04% of the output.	
13 mines or 4.68% of total operating produced 14.83% of the output.	
5 mines or 1.80% of total operating produced 9.58% of the output.	
4 mines or 1.44% of total operating produced 10.75% of the output.	
3 mines or 1.08% of total operating produced 11.54% of the output.	
6 mines or 2.16% of total operating produced 33.85% of the output.	
Average number of persons employed below ground	5,526
Average number of persons employed above ground	1,890
Number of separate accidents causing loss of life	12
Number of deaths caused by accidents above ground	2
Number of deaths caused by accidents below ground	11
Number of serious accidents above ground	10
Number of serious accidents below ground	69
Number of slight accidents above ground	16
Number of slight accidents below ground	81
Total purchased electrical power (Kilowatt hours)	31,660,119
Number of prosecutions instituted	18
Number of Provisional Certificates (overman) issued in 1940	132
Number of Certificates of Competency as Coal miners in 1940	321
Number of Third Class Certificates issued in 1940	18
Number of Second Class Certificates issued in 1940	9
Number of First Class Certificates issued in 1940	3
Number of Mine Surveyors' Certificates issued in 1940	
Number of Mine Electricians' Certificates issued in 1940	20
Total number of Third Class Certificates to December 31, 1940	1,518
Total number of Second Class Certificates to December 31, 1940	488
Total number of First Class Certificates to December 31, 1940	254
Total number of Mine Surveyors' Certificates to December 31, 1940	195
Total number of Mine Electricians' Certificates to December 31, 1940	103
Total number of Interchange First Class Certificates issued to Dec. 31, 1940	5
Total number of Certificates of Competency as Coal Miners issued to Dec. 31, 1940	15,934

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In the following tables the short ton of 2,000 lbs. is used in all cases.

Year	Output in tons for N.W.T. (Alta. & Sask.)	Output in tons for Alberta
1901	346.649	
1902	510.674	
1903	622.939	
1904	782.931	
1905		811.228
1906		1,385.000
1907		1,834.745
1908		1,845.000
1909		2,174.329
1910		3,036.757
1911		1,694.564
1912		3,446.349
1913		4,306.346
1914		3,821.739
1915		3,434.891
1916		4,638.604
1917		4,863.414
1918		6,148.620
1919		5,022.412
1920		6,908.923
1921		5,937.195
1922		5,976.432
1923		6,866.923
1924		5,203.713
1925		5,883.394
1926		6,508.908
1927		6,936.780
1928		7,334.179
1929		7,147.250
1930		5,755.911
1931		4,564.290
1932		4,870.030
1933		4,714.784
1934		4,748.848
1935		5,462.973
1936		5,696.375
1937		5,551.682
1938		5,230.025
1939		5,518.105
1940		6,205.088

PARTICULARS OF WORK DONE IN SHALE MINES IN THE PROVINCE DURING
THE YEAR 1940

Output of shale (in tons) used for making bricks	35,614
Number of shifts worked	12,424
Average number of men employed	65
Explosives used (pounds), 40% Dynamite	3,876
Explosives used (pounds), Monobel	200
Number of shots fired, using fuse	2,716
Total number of bricks made	9,885,326
Total number of bricks put to stock	1,784,655
Total number of bricks lifted from stock	1,958,140
Bricks sold for use in:	
Alberta	4,751,235
British Columbia	1,105,475
Saskatchewan	2,564,600
Manitoba	1,457,400
Ontario	180,101
Total	10,058,811
Hollow tile made (tons)	5,712
Hollow tile put to stock (tons)	3,632
Hollow tile sold	5,363
Hollow tile lifted from stock	3,463

PARTICULARS OF WORK DONE BY FARMERS STRIPPING COAL UNDER
DOMESTIC PERMIT DURING THE YEAR 1940

Tonnage	322
Number of days worked during the year	90
Number of men employed during the year	60
Total number of shifts worked	279
Total number of permits issued	27

The above coal was stripped for domestic use only, and not for sale.

CLASSIFICATION OF OUTPUT DURING THE YEARS 1901 TO 1940 INCLUSIVE

Year	Domestic	Domestic and Bituminous	Sub-bituminous	Bituminous	Anthracite	Coal used in Coke production	Briquettes	Coke
1901*	.....	331,907	.....	.....	14,742	.....	.....	.....
1902*	.....	494,087	.....	.....	16,587	.....	.....	.....
1903*	.....	617,754	.....	.....	5,185	.....	.....	.....
1904*	.....	759,568	.....	.....	23,363	.....	.....	.....
1905*	.....	972,686	.....	.....	43,653	.....	.....	.....
1906	602,780	.....	.....	546,623	235,597	71,292	.....	46,640
1907	639,335	.....	.....	939,295	256,115	103,930	49,585	69,844
1908	584,334	.....	.....	1,001,571	249,095	112,887	36,261	73,782
1909	763,673	.....	.....	1,197,399	213,257	128,397	89,785	75,657
1910	878,011	.....	.....	1,896,961	261,785	148,104	108,996	87,812
1911	964,700	.....	.....	649,745	80,119	196,249	121,578	121,578
1912	1,341,389	.....	.....	1,926,371	178,589	61,591	48,200	35,984
1913	1,763,225	.....	.....	2,374,401	168,720	170,818	90,000	105,684
1914	1,697,401	.....	.....	1,953,367	170,971	104,012	130,861	65,167
1915	1,682,922	.....	.....	1,626,237	125,732	44,249	109,082	29,058
1916	2,172,801	.....	.....	2,335,259	140,544	38,878	83,180	23,826
1917	2,537,829	.....	.....	2,206,868	118,717	67,105	107,959	41,950
1918	3,035,061	.....	.....	2,982,334	131,225	51,905	93,818	31,630
1919	2,611,009	.....	.....	2,325,787	85,616	53,462	100,470	32,858
1920	3,359,309	.....	.....	3,419,021	130,594	.....	70,033	.....
1921	2,943,141	.....	.....	2,897,380	96,674	.....	101,693	.....
1922	3,086,669	.....	.....	3,245,313	40,417	.....	62,466	.....
1923	3,161,741	.....	.....	1,521,288	107	.....	33,663	.....
1924	3,096,660	.....	.....	2,145,200	.....	.....	39,638	.....
1925	3,156,359	.....	.....	2,858,508	.....	.....	791	.....
1926	3,160,029	.....	.....	2,984,419	.....	.....	11,381	.....
1927	3,357,171	.....	.....	3,215,181	.....	.....	20,649	173
1928	3,378,200	.....	.....	3,083,393	.....	287	24,768	.....
1929	3,385,749	.....	.....	2,278,490	.....	.....	28,167	.....
1930	2,874,090	.....	.....	1,846,357	.....	.....	24,111	.....
1931	2,246,544	.....	.....	1,733,720	.....	.....	15,102	.....
1932	2,576,831	.....	.....	1,726,596	.....	4,591	13,582	2,183
1933	2,434,047	.....	.....	1,915,740	.....	75,275	14,935	49,279
1934	2,295,566	.....	.....	2,218,629	.....	91,745	18,975	59,703
1935	2,647,912	.....	.....	2,299,658	.....	89,233	18,912	63,428
1936	2,841,371	.....	.....	2,414,003	.....	97,353	27,015	62,239
1937	2,631,150	.....	.....	2,287,850	.....	99,527	27,044	63,367
1938	2,433,263	.....	.....	2,287,850	.....	103,498	33,239	68,692
1939	2,449,199	.....	.....	2,536,891	.....	103,191	46,510	63,913
1940	2,537,205	.....	.....	3,068,197	.....	108,926	66,127	70,753

*Includes output from Alberta and Saskatchewan. Previous to 1922 sub-bituminous was included in bituminous coal.

During the year 1909 a strike affecting all the larger mines in the province lasted for a period of three months.
 During the year 1911 a strike affecting all the larger mines in the province lasted for a period of eight months.
 During the year 1917 a strike affecting all the larger mines in the province lasted for a period of three months.
 During the year 1919 a strike affecting all the larger mines in the province lasted for a period of three months.
 During the year 1922 a strike affecting all the larger mines in the province lasted for a period of five months.
 During the year 1924 a strike affecting all the larger mines in the province lasted for a period of six and one-half months.

THE MINES BRANCH

How total output of DOMESTIC COAL from the Province was disposed of by Areas during 1940:

	Sold for Consumption in					Used under Colliery Boilers	Used by R.R. Colliery	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total output for year including put to stock and waste
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	United States						
Ardley	15,368		1,195				735	400	25			17,723
Big Valley	12,567		38				131		27			2,594
Brooks	11,157		3,803	159	300		1,407	142	901	171		11,326
Camrose	53,105		11,392	990	249	118	295	2,003	371	1,655		59,646
Carbon	36,545	543					145	47	2,243			70,851
Castor	39,981						33,981	23	266			42,416
Champion	14,694						33,694					14,983
Drumheller	247,793	39,904	745,699	154,155	73,719	1,746	8,619	16,945	17,154	15,196	2,603	1,287,935
Edmonton	467,058	336	6,225	2,685	97		5,718	3,301	500	1,996		483,924
Gleichen	23,221							53		46		23,221
Haicourt	3,146							1,796	464	3,188	147	327,817
Lethbridge	172,010	20,795	118,886	7,864	1,374	5,947	2,016					305
Magrath	305											31,163
Milk River	4,799					6			351			5,156
Pakan	95											95
Pakowki	1,328											1,328
Pembina	44,121	169	4,246	40			1,791		53			50,420
Redcliff	9,432		19,257	795								30,418
Rochester	1,912							60		7		1,965
Sexsmith	223											234
Sheerness	12,218		17,030	226	400		29,874		11			30,606
Taber	11,399		488					7	732			13,324
Tofield	17,389		31,447	332	458	80	1,550		1,175	70		51,208
Wetaskiwin	3,782							18	31			3,831
Whitecourt	194							186		63		317
No Area	2,274							76	145	81	51	2,399
Total	1,216,116	61,747	959,706	167,246	76,597	7,897	22,688	934	25,057	24,491	22,403	2,537,205

How the total output of SUB-BITUMINOUS COAL was disposed of during 1940:

	Sold for Consumption in						Sold to Railroad Companies	Total Sales	Used under Colliery Boilers	Used by R.R. Colliery	Used making Briquettes	Used making Coke	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total output for year including put to stock and lifted from stock or waste
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	Northwest Territories	United States										
Coalspur	21,139	39,075	12,697	54,209	11,024		270,170	40,314	19,627	6,030			767	15,877	1,996		448,619
Moxley	73							73									73
Pekisko	5,053	38	441					5,532	144						3		5,673
Prairie Creek	2,655	1,531	31	1,316	1,062		88,565	491	5,470				29	134	48		606
Saunders	6,997	411	10,942	10,935	9,342	14		95,160	4,411				163	20	60		100,753
								38,641					720		810		42,962
Total	36,408	41,055	24,111	66,460	21,428	14	358,735	548,211	29,652	6,030			1,679	16,031	2,917		598,686
BITUMINOUS																	
Cascade	10,544	1,269	4,131	16,312	4,285		113,346	149,887	19,130	525	36,852	105,926	7,091	117	6,870		208,732
Crowsnest	34,253	133,571	30,074	24,067	30,861		27,457	1,168,733	1,449,016	16,919			13,783	48,999	18,176		1,616,467
Highwood	233							233					72				305
Mountain Park	10,378		962	80,658	33		878,584	970,615	40,637				33		33		1,011,252
Nordeg	3,712		51	114	383		201,395	205,655	3,259		25,524		2,433		2,430		234,441
Total	59,120	134,840	35,218	121,151	35,562		27,457	2,362,058	2,775,406	79,945	525	62,376	105,926	23,412	49,116	27,509	3,069,197

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How the total output of DOMESTIC COAL was disposed of by months during 1940:

	Sold for Consumption in						Used under Colliery R.R.	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total output for year including waste but not lifted from stock or waste
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	United States						
January	174,516	6,750	135,607	29,051	9,084	1,671	2,699	142	1,272	1,350	3,623	358,468
February	113,990	3,259	79,148	12,423	4,325	432	2,425	89	1,745	955	4,612	214,179
March	79,749	1,895	53,536	7,664	3,185	127	2,147	60	488	590	3,247	146,194
April	57,903	2,093	41,168	3,350	559	159	1,162		823	1,405	1,723	106,355
May	40,346	1,223	14,495	2,392	255	82	980	9	415	751	3,234	56,902
June	34,448	444	9,753	2,183	377		1,135	8	184	472	994	48,010
July	32,229	987	19,463	3,010	1,059	120	1,077	45	996	524	170	58,805
August	57,348	6,336	62,799	9,980	2,169	193	1,416	162	405	3,738	967	142,519
September	73,851	7,747	83,351	12,288	10,435	774	1,736	114	2,056	3,158	525	194,985
October	149,396	11,796	181,684	25,615	14,213	1,138	2,217	106	4,798	5,834	973	395,784
November	238,200	11,944	158,277	34,292	14,281	1,758	2,911	152	7,540	5,197	884	473,668
December	164,140	7,273	120,425	24,998	16,655	1,443	2,783	107	4,335	1,517	1,451	341,336
Total	1,216,116	61,747	959,706	167,246	76,597	7,897	22,688	934	25,057	24,491	22,403	2,537,205
Percentage of Total Sales	48.85	2.48	38.55	6.72	3.08	.32						

THE MINES BRANCH

How the total output of SUB-BITUMINOUS COAL was disposed of by months during 1940:

	Sold for Consumption in						Sold to Railroad Companies	Total Sales	Used under Colliery Boilers	Used by R.R. Colliery	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total output for year including put to stock and waste but not lifted from stock or waste
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	Northwest Territories									
January	5,568	5,928	3,754	13,400	3,650		26,805	59,015	3,469	370	235	1,353	204		64,238
February	4,271	3,525	2,065	5,300	1,978		25,011	41,050	2,709	345	530	1,249	283		45,600
March	1,840	1,530	933	2,372	874		23,966	31,515	2,201	405	5	1,040	386		34,780
April	782	523	963	2,455	103		25,291	30,087	1,740	565		1,268	88		33,572
May	629	1,011	833	600	103	14	23,219	32,397	1,361	525	23	1,243	28		35,533
June	637	532	657	637	471		23,363	32,397	1,322	525		1,220	27		35,537
July	791	439	859	1,990	658		30,338	34,751	1,695	460	152	1,000	165		37,853
August	2,488	3,550	1,529	5,306	1,502		30,358	44,673	2,583	525	313	1,162	607		48,859
September	2,483	2,454	2,362	4,992	2,539		23,969	44,399	2,636	585	355	1,401	728		49,248
October	4,942	4,513	2,911	8,083	2,306		32,399	55,354	3,157	500	66	1,595	325		60,529
November	6,047	9,138	3,164	10,985	3,366		33,611	66,311	3,239	563		1,505	66		71,624
December	5,930	8,012	3,881	11,400	3,978		42,359	75,360	3,280	600		1,893			81,333
Total	36,408	41,055	24,111	66,460	21,428	14	358,735	548,211	29,652	6,030	1,679	16,031	2,917		5,986.86
Percentage of Sales	6.64	7.49	4.4	12.12	3.91	.001	65.44								

THE MINES BRANCH

Amount of COAL sold during the years 1915 to 1940 (inclusive) for consumption in:

Year	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	North-West Territories	Quebec	United States	To Railroads	Total
1915	2,129,130	54,860	635,898	64,816				25,047		2,969,751
1916	2,866,670	86,413	1,007,765	97,265				51,082		4,108,205
1917	2,813,413	76,397	1,139,771	249,872				93,081		4,372,534
1918	3,440,154	101,189	1,372,439	511,168	629			133,276		5,358,355
1919	2,991,110	95,461	1,115,329	314,290	308			121,212		4,637,710
1920	1,647,202	128,850	1,310,146	600,962	13,911		30	152,610	2,516,555	6,371,266
1921	1,415,861	116,089	1,294,441	495,388	9,898			133,823	2,023,204	5,488,704
1922	1,443,942	107,920	1,371,249	520,518	21,573		102	105,514	2,076,291	5,647,109
1923	1,382,788	108,326	1,223,454	553,649	52,334			83,557	3,110,121	6,514,219
1924	1,431,327	114,186	1,189,788	510,407	16,525			39,142	1,613,574	4,914,949
1925	1,440,032	117,037	1,297,653	509,655	28,831			40,507	2,139,716	5,573,431
1926	1,325,290	127,858	1,296,181	591,267	74,559		221	48,216	2,706,440	6,170,032
1927	1,508,089	187,028	1,427,904	612,542	22,680			45,160	2,759,765	6,653,168
1928	1,409,475	262,198	1,511,141	605,125	44,265			52,265	3,054,239	6,938,708
1929	1,446,555	236,840	1,455,213	588,647	55,647		33	51,625	2,923,827	6,758,075
1930	1,234,382	227,385	1,221,542	541,537	29,784		32	44,291	2,120,237	5,419,190
1931	1,020,694	171,610	905,574	442,761	27,036		100	30,434	1,668,451	4,266,660
1932	1,134,311	136,188	1,097,382	497,006	20,583		135	27,366	1,619,921	4,532,892
1933	1,123,357	120,911	1,052,910	449,681	39,437		32	18,449	1,500,061	4,304,838
1934	1,087,898	127,638	986,639	391,132	55,947	31		13,739	1,687,850	4,350,874
1935	1,246,959	221,758	1,120,816	435,813	64,659			24,712	1,960,555	5,075,272
1936	1,356,690	244,928	1,238,730	450,740	65,886			27,397	1,969,569	5,353,940
1937	1,326,054	269,023	1,085,812	437,954	62,521	82		41,328	2,028,389	5,251,163
1938	1,278,932	238,435	1,011,207	413,663	74,111	83		32,507	1,871,852	4,920,800
1939	1,241,618	239,227	1,044,367	409,046	90,206			33,139	2,109,684	5,167,287
1940	1,311,644	237,642	\$1,019,035	354,857	133,587	14		35,354	2,720,793	5,812,926

NOTE: Previous to 1920 Railroad Coal was included in Sales in Alberta.

Coal produced by years from 1936 to 1940 inclusive:

DOMESTIC COAL FIELD

Areas	1936	1937	1938	1939	1940
Ardley	29,216	23,990	21,420	15,682	17,723
Big Valley	2,918	2,514	2,069	2,441	2,594
Brooks	9,668	9,152	9,665	10,980	11,326
Camrose	65,331	57,235	52,662	54,693	59,646
Carbon	108,369	104,385	92,846	80,033	70,851
Castor	45,307	41,379	39,737	38,109	42,416
Champion	22,160	17,941	16,142	15,273	14,983
Drumheller	1,439,905	1,289,971	1,168,348	1,223,338	1,287,935
Edmonton	543,014	539,096	515,103	470,576	483,924
Gleichen	9,886	11,227	25,239	26,091	23,221
Halcourt	3,479	4,569	3,355	3,003	3,163
Lethbridge	351,864	349,881	342,113	329,416	327,817
Magrath	856	995	541	431	305
Milk River	5,261	4,312	3,701	5,961	5,156
Pakan	823	209	276	202	95
Pakowki	3,660	1,267	1,359	1,438	1,328
Pembina	53,948	33,398	30,267	38,891	50,420
Redcliff	35,971	29,086	27,382	26,094	30,418
Rochester	2,256	478	729	974	1,965
Sexsmith	44	43	80	95	234
Sheerness	47,305	39,360	35,939	36,709	30,606
Taber	12,588	11,615	12,274	12,731	13,324
Tofield	42,845	48,315	44,213	48,504	51,208
Wetaskiwin	1,791	2,222	2,349	3,224	3,831
Whitecourt	153	300	217	215	317
No Area	2,913	5,210	5,237	4,095	2,399
Total	2,841,231	2,631,150	2,453,263	2,449,199	2,537,205

SUB-BITUMINOUS COAL FIELD

Coalspur	388,766	350,594	351,427	360,436	448,619
Morley	123	769	61	107	73
Pekisko	5,005	4,928	5,080	5,385	5,673
Pincher	2,095	1,541	1,413	1,374	606
Prairie Creek	127,553	106,803	91,189	104,067	100,753
Saunders	42,944	41,894	39,742	40,736	42,962
Total	566,486	506,529	488,912	512,105	598,686

BITUMINOUS COAL FIELD

Cascade	166,665	175,989	170,039	194,441	206,732
Crowsnest	1,310,487	1,326,450	1,275,004	1,400,802	1,616,467
Highwood				10	305
Mountain Park	655,139	761,370	688,449	810,442	1,011,252
Nordeg	156,367	147,194	154,358	151,106	234,441
Total	2,288,658	2,414,003	2,287,850	2,556,801	3,069,197

THE MINES BRANCH

Total output of DOMESTIC COAL by areas during each month:

Areas	Jan	Feb.	Mar.	April	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.	Total
Ardley	2,705	1,554	1,151	542	298	404	569	810	1,174	1,911	3,741	2,864	17,723
Big Valley	231	142	141	56	16	153	50	147	1,002	247	432	757	2,594
Brooks	1,110	772	339	362	160	153	219	439	1,001	1,928	3,383	1,464	11,326
Canrose	9,850	6,239	4,864	3,692	1,220	847	1,039	2,120	3,096	7,123	10,588	8,908	58,946
Carbon	10,662	6,234	4,438	3,905	2,911	2,294	2,446	3,668	4,733	7,951	13,207	8,402	70,851
Castor	5,113	3,737	1,838	695	195	347	421	626	1,015	5,009	14,276	9,144	42,416
Champion	1,540	1,243	866	712	339	342	466	771	1,531	2,593	3,089	1,491	14,983
Drumheller	183,325	103,177	68,778	42,332	16,433	10,450	17,129	78,514	112,711	233,624	242,561	178,901	1,281,935
Edmonton	83,762	51,237	35,246	20,984	15,556	15,265	9,244	14,908	25,691	56,597	87,466	67,968	483,942
Gleichen	3,071	2,176	1,183	394	621	512	644	1,180	2,758	2,798	5,490	3,393	23,221
Halcourt	691	518	223	111	20	100	79	70	81	376	442	552	3,163
Lethbridge	34,210	22,269	13,772	18,023	6,936	6,237	14,459	30,435	31,267	54,492	60,110	35,607	327,817
Magrath	68	39	20	18	10	11	8	9	14	19	60	29	305
Milk River	215	205	162	77	90	73	152	82	449	2,036	1,178	437	5,156
Pakan											65	30	95
Pakowki	57	48	39	19	4	5	17	25	179	540	316	79	1,328
Pembina	5,650	3,715	4,397	6,724	6,319	4,162	3,045	2,568	2,517	3,087	4,449	3,787	50,420
Redcliff	3,779	2,527	2,035	1,673	1,233	487	1,161	1,307	1,747	4,065	5,698	4,706	30,418
Rochester	499	198	90	52					32	145	468	481	1,965
Sexsmith	69	26									50	89	234
Sheerness	3,009	1,740	1,136	1,979	1,015	3,369	4,504	1,272	1,014	3,093	5,194	3,281	30,606
Taber	1,388	1,063	544	561	314	193	130	334	1,640	2,397	3,228	1,532	13,324
Tofield	5,377	4,104	4,369	3,775	3,208	2,676	2,893	3,066	3,103	5,325	7,038	6,074	51,208
Wetaskiwin	864	536	230	52	20	66	70	129	130	253	722	759	3,831
Whitecourt	67		23							175	52		317
No Area	953	410	270								165	601	2,399
Total	358,468	214,179	146,194	106,355	56,902	48,010	58,805	142,519	194,985	395,784	473,668	341,336	2,537,205

Total output of SUB-BITUMINOUS COAL by areas during each month:

Areas	Jan	Feb.	Mar.	April	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.	Total
Coalspur	46,409	32,924	24,461	22,859	26,718	25,185	27,696	36,784	37,575	46,687	54,574	66,747	448,619
Morley	38	35						619	373	633	853	806	73
Pekisko	784	679	443	172	134	52	125	30	27		115	66	5,673
Pincher	188	125	36		19			857	6,996	8,088	8,165	6,445	606
Prairie Creek	10,360	7,810	8,280	9,772	8,578	9,403	8,299	8,557	6,996	9,088	8,165	6,445	100,753
Saunders	6,459	4,027	1,560	769	84	897	1,713	2,869	4,277	5,121	7,917	7,269	42,962
Total	64,238	45,600	34,780	33,572	35,533	35,537	37,833	48,859	49,248	60,529	71,642	81,333	598,686

Total output of BITUMINOUS COAL by areas during each month:													
Cascade	20,880	17,905	16,357	13,226	10,734	11,395	16,570	18,479	14,861	16,817	23,905	25,603	206,732
Crowsnest	132,605	175,618	163,749	128,423	153,435	130,926	152,229	129,193	100,452	107,352	108,101	134,384	1,616,467
Highwood		30						26	6	61	52	130	305
Mountain Park	95,011	89,892	78,557	73,965	69,658	79,134	88,610	98,478	82,871	77,504	89,442	88,130	1,011,252
Nordegg	13,177	16,017	16,453	16,952	15,378	13,021	22,218	19,045	25,681	26,566	22,908	27,025	234,441
Total	261,673	299,462	275,116	232,566	249,205	234,476	279,627	265,221	223,871	228,300	244,408	275,272	3,069,197
Total output of COAL, COKE and BRIQUETTES during the year:													
Coal	684,379	559,241	456,090	372,493	341,640	318,023	376,265	456,599	468,104	684,613	789,700	697,941	6,205,088
Coke	6,143	5,712	6,091	6,325	6,018	5,405	5,887	5,365	5,403	5,952	5,975	6,277	70,753
Briquettes	7,585	4,242	3,052	2,373	1,938	2,212	3,805	4,047	5,760	8,974	11,461	10,678	66,127
Total Sales of SUB-BITUMINOUS COAL for consumption by Railroad Companies:													
Coalspur	21,556	19,605	16,157	16,087	21,037	20,447	22,209	22,493	23,337	24,935	25,963	36,344	270,170
Prairie Creek	5,249	5,406	7,809	9,134	8,182	8,916	7,805	8,105	6,632	7,664	7,648	6,015	88,565
Total	26,805	25,011	23,966	25,221	29,219	29,363	30,014	30,598	29,969	32,599	33,611	42,359	358,735
Total Sales of BITUMINOUS COAL for consumption by Railroad Companies:													
Cascade	8,651	9,968	10,840	9,224	6,479	7,754	12,074	11,942	8,008	7,695	9,777	10,934	113,346
Crowsnest	84,308	133,297	123,481	87,846	120,110	102,624	123,827	97,917	72,073	73,841	63,735	85,674	1,168,733
Mountain Park	74,735	71,952	67,501	68,380	61,880	72,450	80,592	89,788	74,240	67,823	77,254	71,989	878,584
Nordegg	11,202	12,929	13,805	15,104	13,154	12,175	20,026	16,810	22,301	21,433	18,182	24,274	201,395
Total	178,896	228,146	215,627	180,554	201,623	195,003	236,519	216,457	176,622	170,792	168,948	192,871	2,362,058
Grand Total	205,701	253,157	239,593	205,775	230,842	224,366	266,533	247,055	206,591	203,391	202,559	235,230	2,720,793

THE MINES BRANCH

Total amount of Domestic Coal disposed of by areas during each month for consumption in Alberta:

LUMP COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley	409	210	157	102	38	16	114	217	230	712	1,364	1,000	4,553
Big Valley	46	276	49	20			10	105	40	165	278	1,472	1,477
Brooks	1,039	753	326	68	149	143	207	483	980	1,915	3,524	1,425	11,012
Camrose	3,570	1,823	1,089	634	87	103	129	251	909	2,346	4,383	3,629	18,946
Carbon	3,063	1,763	1,036	821	231	290	560	767	1,161	1,963	4,434	2,808	18,897
Castor	1,128	936	350	68	51		37	24	111	801	2,376	1,826	7,608
Champion	1,118	948	645	519	237	232	334	583	1,143	1,978	2,422	1,119	11,278
Drumheller	17,707	10,131	6,657	3,942	1,047	1,077	695	8,343	7,319	17,722	28,179	15,681	118,500
Edmonton	21,405	10,958	6,928	3,729	1,588	1,795	972	2,157	5,184	15,034	23,165	17,416	110,321
Gleichen	567	513	261	54	155	106	79	193	318	621	913	506	4,286
Halcourt	407	278	108	11	18	32	55	62	72	205	305	348	2,001
Lethbridge	8,481	6,908	3,660	3,529	2,067	1,720	3,652	3,932	7,317	11,555	15,975	8,426	77,224
Megart	32	21	12	8	5	5	6	6	8	11	35	11	160
Milk River	4												4
Pakan													
Pakawki	734	460	310	192	74	3	26	10	38	306	771	482	3,406
Parkbina	690	313	123	9			8	37	395	1,490	1,501	571	5,138
Redcliff	269	88	43	23	1				3	74	228	252	960
Rochester		7											
Sexsmith	21	130	39	90	22	6	24	55	47	205	550	274	1,574
Stearness	132	734	379	327	150	100	83	210	755	885	1,397	613	6,441
Tubert	1,296	634	432	208	132	132	86	82	128	358	1,656	1,450	6,594
Turf	146	73	21	3					10	44	86	71	451
Wetaskiwin													
Whitcourt													
No Area	407	139	81								71	229	927
Total	63,470	37,996	22,706	14,357	6,010	5,801	7,071	17,518	26,168	58,490	93,625	58,626	411,838

MINE-RUN COAL

	1,341	680	265	278	27	123	737	1,521	939	5,911
Ardley	170	120	80	25	38	40	60	80	150	1,018
Big Valley										
Brooks		790	757	422	524	1,040	379	625	417	7,366
Camrose	1,005	822	459	1,094	80	162	367	3,677	1,259	9,988
Carbon	1,459	2,575	1,285	1,176	347	560	829	11,006	6,820	31,862
Castor	3,604	68	55	33	41	49	146	265	235	1,296
Champion	164	406	246	68	206	515	639	946	931	5,739
Drumheller	622	10,837	7,880	7,937	7,895	5,676	6,107	11,204	17,008	116,359
Edmonton	17,559	1,213	674	352	307	8,777	1,249	1,710	3,787	15,448
Gleichen	1,999	232	113	282	512	8	12	130	202	1,050
Halcourt	261	1,316	1,420	1,154	1,188	1,428	1,386	1,441	1,522	16,632
Lehrbridge	1,731	11	3	3	2					38
Magrath	11	180	134	75	49	77	420	1,915	1,118	4,765
Milk River	179			82	109					95
Pakan		48	39	19	5	25	179	540	316	1,328
Pakowki	57	54	405	4,821	3,722	1,928	1,774	938	559	18,279
Pembina	100	259	243	129	350	354	340	393	406	3,910
Redcliff		40	18	9						208
Rochester	45	8					4		56	36
Saxsmith	29	563	421	493	141	271	424	1,562	3,317	10,619
Stearness	1,384	69	118	101	440	271	424	1,562	3,317	10,619
Tobler	1,162	92	69	65	11	50	281	662	1,090	3,144
Tofield	1,024	519	624	650	744	923	791	690	1,484	9,995
Wetaskiwin	87	113	23	20	42	51	60	56	86	672
Whitcourt	51	23	23		44				41	178
No Area	30	40	2						63	72
Total	33,074	20,987	15,238	11,056	17,111	15,453	11,213	14,034	28,035	266,080

THE MINES BRANCH

NUT COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley	349	438	598	357	219	78	378	290	320	74	169	318	3,588
Big Valley	14	12	10	10								17	63
Brooks	5												5
Camrose	3,181	2,499	2,175	1,317	422	320	245	534	1,150	2,234	3,650	3,205	20,332
Carbon	2,684	1,799	1,737	1,183	1,022	619	710	1,222	1,630	2,675	3,023	2,113	20,417
Castor	83	57	7				4	4		25	182	140	502
Champion	226	179	147	117	62	70	84	131	178	251	299	191	1,935
Drumheller	6,598	5,597	3,855	3,109	1,591	1,018	1,455	3,484	3,291	7,186	11,075	7,494	55,753
Edmonton	24,009	16,881	12,658	7,830	3,455	3,469	2,386	3,792	7,544	14,935	26,764	19,305	143,028
Gleichen	505	450	248	58	107	88	45	104	163	416	658	367	3,209
Halcourt	16	4			2					4	4		30
Lethbridge	2,211	1,730	1,649	1,830	819	797	1,558	2,896	3,072	4,545	6,775	3,373	31,255
Magrath	25	6	5	6	2	3		3	6	8	25	18	107
Milk River													
Pakowki													
Pembina	1,285	1,766	2,020	3,088	945	221	343	319	448	787	1,369	1,281	13,872
Redcliff	20	20											20
Rochester	106	23	9	6					8	17	92	73	334
Sexsmith	7	7									6	11	31
Sheerness													
Taber	143	108	36	42	45	16	22	30	317	321	403	227	1,710
Tofield	222	47	171										216
Wetaskiwin	581	299	162	37				41	40	135	531	589	2,415
No Area	298	185	132								80	243	938
Total	42,548	32,107	25,619	18,990	8,691	6,699	7,230	12,850	18,167	33,655	55,207	39,181	300,944

SLACK COAL

	34	4	33	1	3	167	148	110	276	207	1,316
Ardley	333										9
Big Valley	16	23	2	107	2	5	11	1	42	25	140
Brooks	1,040	498	559	733	149	107	161	738	938	950	5,861
Camrose	1,009	368	733	936		232	210	422	991	941	7,243
Carbon										5	9
Castor							49	61	75		185
Champion		4,829	4,021	3,639	3,210	4,963	3,423	6,762	10,548	7,900	67,801
Drumheller	10,046	7,387	3,954	2,370	1,878	2,658	6,120	12,579	16,812	14,117	97,350
Edmonton	17,420				12	6	28	31	132	34	278
Gleichen				7			4	45			163
Halcourt	3										3
Lethbridge	3,770	1,789	2,900	1,223	1,123	4,762	3,748	7,784	8,926	5,337	46,839
Milk River						1	10				20
Pembina	1,486	1,230	1,278	243	93			508	1,221	1,186	8,564
Redcliff	21	10	6	3		2	7	107	173	34	364
Rochester	79	27	14				16	30	77	100	350
Sexsmith	5								5	17	27
Sheerness						20	5				23
Taber		51		5					15	84	104
Wetaskiwin	42	21			24	23	20	18	15	21	241
Whitecourt	16				6						16
No Area	138	56							14	129	337
Total	35,424	22,900	16,186	13,500	8,534	6,495	6,715	12,946	13,962	29,216	40,267
										31,109	237,254

Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Alberta:

LUMP COAL

	1,633	1,001	423	81	193	332	70	599	470	2,229	2,138	1,880	11,049
Coalspur													119
Pekisko		49	30	3									192
Pincher		30	23	8	10	4				70	35		992
Prairie Creek	483	509	12										3,726
Saunders	418	733	507	227			270	172	152	261	454	532	
Total	2,564	2,315	972	319	203	336	340	771	622	2,490	2,699	2,447	16,978

MINE-RUN COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur	86	119	103	74	65	78	50	60	68	67	91	76	937
Morley	38	5											43
Pekisko	613	512	371	127	125	40	113	607	269	585	641	716	4,719
Pincher								10	20				30
Prairie Creek	95	53	43	33	21	75	87	91	25	36	97	40	696
Saunders	87	34	24	60	12	4	2	45	87	39	71	44	509
Total ...	919	723	541	294	223	197	252	813	469	727	900	876	6,934

NUT COAL

Coalspur	509	314	107	92	196	66	188	261	725	1,109	769	729	5,065
Morley		10											10
Pekisko	59	31											90
Pincher	111	75	13		7				27		20	16	269
Prairie Creek	82	15		36									133
Saunders	276	258	101	41		38	11	43	315	198	697	684	2,662
Total	1,037	703	221	169	203	104	199	304	1,067	1,307	1,486	1,429	8,229

SLACK COAL

Coalspur	510	214	106					600	325	319	837	1,177	4,088
Morley		20											20
Pekisko		296											125
Prairie Creek	538									99		1	834
Saunders													100
Total	1,048	530	106					600	325	418	962	1,178	5,167

Total amount of Domestic Coal disposed of by Areas during each month for consumption in British Columbia:

LUMP COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Carbon	37	1,364	474	269	358	147	232	2,703	3,024	190	80	42	349
Drumheller	2,392	945	498	720	284	228	325	69	47	5,294	5,655	2,337	24,249
Edmonton	38	1,493						1,709	2,811	3,297	2,401	1,734	267
Lethbridge													16,445
Total	3,960	2,309	972	989	642	375	557	4,481	5,882	8,819	8,211	4,113	41,310

MINE-RUN COAL

Drumheller								169		78	38	40	156
Pembina													169
Total								169		78	38	40	325

NUT COAL

Carbon	2,325	706	730	1,008	460	69	315	40	114	40			194
Drumheller	31	244	193	96	121	115	115	1,120	1,253	1,833	2,861	2,622	15,302
Edmonton	412							566	483	815	751	498	69
Lethbridge													4,294
Total	2,768	950	923	1,104	581	69	430	1,686	1,776	2,800	3,652	3,120	19,859

SLACK COAL

Drumheller	22							89	60	26			197
Lethbridge									39	17			56
Total	22							89	99	43			253

Total amount of Bituminous Coal disposed of by areas during each month for consumption in British Columbia:

LUMP COAL													
Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade	463	72	146				49	66	21	48	48	22	139
Crowsnest													
Total	463	72	146				49	66	296	422	808	411	2,733
MINE-RUN COAL													
Cascade	136	91	85	60	266	133	57	36	36	48	81	156	698
Crowsnest													
Total	136	176		60	266	423	534	577	125	231	183	241	2,952
NUT COAL													
Cascade	302	12	16	50	74		37	39	16	270	270	100	88
Crowsnest													
Total	302	200	203	223	74		84	223	286	270	487	750	3,102
SLACK COAL													
Crowsnest	13,474	11,439	9,962	9,574	10,295	10,258	10,488	9,178	9,519	9,061	10,193	12,612	126,053

Total amount of Domestic Coal disposed of by areas during each month for consumption in Saskatchewan:

LUMP COAL												
	149	42	67				139	166	87	86		736
Ardley	38											38
Brooks	352	156	81	34			67	116	326	349	226	1,707
Camrose	905	367	276	112			193	319	861	186	547	3,766
Carbon	58,118	32,387	16,900	6,146	724	1,014	24,614	37,313	86,889	73,842	55,716	397,616
Drumheller		954	32				73	270	744	697	543	4,260
Edmonton	10,298	4,695	2,739	4,647	649	387	11,266	8,334	17,680	15,736	9,277	88,317
Lethbridge	301					66	133	228	559	1,387	543	301
Pembina	1,155	364	129									4,564
Redcliff	32		32					113	75	305	557	
Sheerness	77						100	160	40		377	
Taber	32						122	1,176	416	115		1,861
Tofield												
Total	72,411	38,958	20,256	10,939	1,373	1,467	36,346	46,941	108,674	92,815	67,358	504,100
MINE-RUN COAL												
	214	167	68									
Camrose												842
Carbon	2,431	1,540	905	163		1,145	626	456	262	109	125	3,311
Drumheller			198	130			74	503	1,091	1,492	1,028	9,153
Lethbridge								41		113		556
Pembina	722	904	989	1,126	695	130	276	346	396	141	989	141
Redcliff	1,222	870	529	1,023	777	3,124	877	342	770	1,011	969	7,639
Sheerness	71											15,473
Taber	2,921	2,854	3,092	2,501	2,154	1,273	1,536	1,664	2,493	3,105	3,073	28,014
Tofield												
Total	7,581	6,335	5,781	4,943	3,626	5,672	3,389	3,348	5,175	6,519	6,184	65,200

NUT COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley	34	40	...	...	...	...	33	71	154	37	79	44	459
Canrose	296	32	67	399	...	...	...	107	107	...	192	77	1,203
Carbon	711	466	167	627	31	...	40	105	78	479	42	36	2,782
Drumheller	27,941	16,375	15,081	11,487	1,991	819	2,004	11,377	19,381	38,603	34,197	23,008	202,264
Edmonton	355	202	190	114	...	...	42	...	36	417	330	279	1,965
Lethbridge	2,886	1,487	932	2,173	374	304	1,028	2,915	2,347	5,385	4,793	3,004	27,598
Pembina	1,369	121	259	745	88	...	...	...	32	402	165	373	3,754
Redcliff	...	273	...	...	...	...	...	...	...	...	...	...	273
Sheerness	30	33	...	...	...	...	...	...	...	...	36	37	136
Total	33,792	19,029	16,696	15,545	2,484	1,123	3,147	14,468	22,135	45,323	39,834	26,858	240,434

SLACK COAL

Ardley	...	...	...	...	...	...	...	...	...	...	...	...	51
Canrose	300	249	226	42	...	51	30	184	44	175	136	147	1,533
Carbon	19,666	14,297	10,006	8,883	6,325	1,066	2,434	7,638	9,839	20,855	17,253	18,404	136,666
Drumheller	...	...	...	...	...	...	...	...	...	...	...	...	...
Edmonton	884	37	46	48	...	...	71	146	517	256	181	229	2,415
Lethbridge	...	...	50	...	...	...	...	...	...	...	...	...	50
Pembina	850	200	411	532	396	154	239	403	317	934	1,342	1,003	6,781
Redcliff	123	43	64	103	68	94	66	...	32	121	36	114	864
Sheerness	...	...	...	...	...	...	...	...	...	40	...	...	40
Tafel	...	...	...	133	172	177	267	225	178	131	161	128	1,572
Tofield	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	21,823	14,826	10,803	9,741	7,012	1,491	3,107	8,596	10,927	22,512	19,109	20,025	149,972

Total amount of Bituminous Coal disposed of by areas during each month for consumption in Saskatchewan:

LUMP COAL													
Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade	11	4	149	72	26	90	176	176	357	19	111	61	278
Crownest	373	115	149	44	26	90	176	176	357	549	262	195	2,512
Mountain Park	...	31	...	...	...	...	...	...	...	40	...	41	112
Total	384	150	149	116	26	90	176	176	357	608	373	297	2,902
MINE-RUN COAL													
Cascade	1,632	607	497	293	78	137	312	371	1,010	1,038	25	20	45
Crownest	33	88	88	...	...	...	77	41	85	39	1,263	1,236	8,396
Mountain Park	...	...	...	...	...	...	...	49	...	...	122	82	645
Nordegg	...	...	...	...	...	...	...	...	...	...	...	...	49
Total	1,665	607	585	293	78	137	389	461	1,095	1,077	1,410	1,338	9,135
NUT COAL													
Cascade	123	264	86	84	46	36	...	83	121	209	121	301	1,474
Crownest	1,170	607	584	268	107	132	36	290	584	532	825	773	5,908
Nordegg	...	...	...	...	...	...	...	...	2	...	...	...	2
Total	1,293	871	670	352	153	168	36	373	707	741	946	1,074	7,384
SLACK COAL													
Cascade	443	162	298	112	75	115	190	149	38	145	227	380	2,334
Crownest	3,098	2,076	2,173	2,178	2,506	82	82	195	108	201	382	259	13,258
Mountain Park	46	...	...	32	...	...	...	...	...	...	44	83	205
Total	3,587	2,238	2,471	2,290	2,613	115	272	344	146	346	653	722	15,797

Total amount of Domestic Coal disposed of by areas during each month for consumption in Manitoba:

LUMP COAL													
Camrose	223	46	38	74	39			33	33	47	74	75	159
Carbon	16,951	37	3,682	328	990	1,213	1,531	42	42	81	22,600	16,511	756
Drumheller	514	7,180	145	39	35	35	35	5,438	6,257	16,465	153	99,146	1,801
Edmonton	982	322	593	374	209	381	592	39	39	145	150	259	1,801
Lethbridge	199	509	593					570	321	691	1,405	998	7,625
Pembina											40		40
Redcliff		105	70						44	80	189	152	795
Torfield										117		161	161
Total	18,869	8,199	4,528	815	1,238	1,629	2,156	6,122	6,840	17,631	24,567	17,889	110,483
MINE-RUN COAL													
Camrose	31	66								42			139
Drumheller													
Lethbridge				183					43				226
Sheerness				171									171
Torfield													
Total	31	66		354					43	42			536
NUT COAL													
Camrose	60												
Carbon	5,712	2,555	1,361	563	395	72	450	2,191	3,496	35	5,837	6,732	95
Drumheller	254	134	32	38				38	38	72	111	4,504	33,868
Edmonton								53	53	186		112	884
Lethbridge													239
Pembina													
Total	6,026	2,689	1,393	601	395	72	450	2,282	3,624	6,095	6,843	4,616	35,086

SLACK COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Carbon													
Drumbheller	4,125	1,469	1,743	1,580	759	482	404	1,533	1,775	1,847	2,882	2,403	21,002
Lethbridge									49			90	139
Total	4,125	1,469	1,743	1,580	759	482	404	1,533	1,824	1,847	2,882	2,493	21,141

Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Manitoba :

LUMP COAL

Coalspur	3,392	1,440	110		35		305	2,651	1,808	2,822	3,384	4,095	20,042
Prairie Creek	701	172					128	432	532	668	1,153	910	873
Saunders	1,080	320	95	32		32							5,382
Total	5,173	1,932	205	32	35	32	433	3,083	2,340	3,490	4,537	5,005	26,297

MINE-RUN COAL

Saunders	64	34		16		32						22	168
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NUT COAL

Coalspur	6,423	1,874	2,091	2,431	565	407	1,281	1,050	1,807	3,272	4,682	4,872	30,755
Prairie Creek	248	64				62	32	386	362	488	310	495	312
Saunders	225	125	31	16									2,532
Total	6,896	2,063	2,122	2,447	565	469	1,313	1,436	2,169	3,760	4,992	5,367	33,599

SLACK COAL

Coalspur	565	133	45			573	298	530	612	656	3,412
Prairie Creek	131	138				114	185	303	844	350	131
Saunders	571				104						2,853
Total	1,267	271	45		104	687	483	833	1,456	1,006	6,396

Total amount of Bituminous Coal disposed of by areas during each month for consumption in Manitoba:

LUMP COAL

Cascade	412	102	109	34	114	222	224	452	278	352	38	87	125
Crowsnest		33		96	35	40	92	66	67	133	311	445	3,055
Mountain Park											180	83	825
Total	412	135	109	130	149	262	316	518	345	485	529	615	4,905

MINE-RUN COAL

Cascade	263	78	48	40		48		106	37	150			293
Crowsnest	2,186	1,732	596	123	270	135	470	529	691	1,163	205	204	1,128
Mountain Park											13.66	1,768	11,055
Total	2,449	1,830	644	163	270	183	470	635	802	1,487	1,571	1,972	12,476

NUT COAL

Cascade	1,255	1,055	733	148	85	74	193	196	592	894	1,835	3,063	10,122
Crowsnest	668	296	333	303	41	124	158	114	312	496	533	1,856	5,234
Mountain Park	137	33	34	826				50		130	19	95	2,235
Nordeg													114
Total	2,060	1,384	1,100	1,277	136	198	351	360	904	1,520	2,387	6,039	17,706

SLACK COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade	1,386	1,050	833	591	334	227	530	76	153	293	149	149	5,771
Crownest	2,427	1,139	1,073	410	717	624	312	795	956	1,042	2,050	3,105	14,650
Mountain Park	12,980	10,873	6,229	627	3,580	3,191	3,153	3,905	4,216	3,725	5,940	8,124	66,543
Total	16,793	13,062	8,135	1,628	4,631	4,042	3,995	4,776	5,325	5,060	8,139	11,378	86,964

Total amount of Domestic Coal disposed of by areas during each month for consumption in Ontario.

LUMP COAL

Carbon	6,912	3,527	2,584	339	78	284	393	1,133	7,045	8,201	7,899	11,426	10
Drumheller	33												49,821
Edmonton	193		90	42	177	93	444	85			85	163	53
Lethbridge													1,372
Total	7,138	3,527	2,674	381	255	377	837	1,218	7,045	8,211	7,984	11,589	51,236

MINE-RUN COAL

Sheerness									149	251			400
Torfield									126	268	64		458
Total									275	519	64		858

NUT COAL

Camrose	43	38								300			300
Carbon	1,815	728	474	178			222	951	3,077	5,111	6,224	5,021	191
Drumheller	32	32											23,801
Edmonton	2												61
Lethbridge													2
Total	1,892	798	474	178			222	951	3,115	5,483	6,224	5,021	24,358

SLACK COAL												
Carbon Drumheller	48 6	37							9	45	48 97	
Total	54	37							9	45	145	
Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Ontario:												
LUMP COAL												
Coalspur Prairie Creek Saunders	1,569 691 1,024	636 211 799	434 372	37 33	63 30	92 74	98	626 509	1,288 733	946 737	1,437 1,409	1,858 1,408 8,992 902 7,220
Total	3,284	1,646	806	70	93	92	172	1,135	2,021	1,683	2,846	3,266 17,114
MINE-RUN COAL												
Saunders							379	392	61			832
NUT COAL												
Coalspur Prairie Creek Saunders	216 127 33	36 33 129	68	33			64	275	313	468	202	344 2,019 160 1,124
Total	376	198	68	33			64	275	518	610	509	652 3,303
SLACK COAL												
Coalspur Prairie Creek Saunders		34					30	31		13	11	60 166
Total		34					30	31		13	11	60 179

Total amount of Bituminous Coal disposed of by areas during each month for consumption in Ontario:

LUMP COAL													
Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade Crownsnest	97 77	145	84	36	200	47	36	59	244 251	327 394	36 394	483 1,550	
Total	174	145	84	36	200	47	36	59	495	327	430	2,033	
MINE-RUN COAL													
Cascade Crownsnest	103 49	50	99 38	154	279	57 461	36 152	36 175	47	345 1,355			
Total	152	50	137	154	279	518	152	211	47	1,700			
NUT COAL													
Cascade Crownsnest Nordegg	.....	16	36	38	396 228	669 289	616 395	372 295	419 244	911 426	3,457 1,893	
Total	.....	16	36	38	624	958	1,200	860	664	1,337	5,733	
SLACK COAL													
Cascade Crownsnest Mountain Park	.....	4,883	5,546 33	4,311	1,647	36	36	532	411	3,646	5,015	26,063 33
Total	.....	4,883	5,579	4,311	1,647	36	36	532	411	3,646	5,015	26,096

Total amount of Bituminous Coal disposed of by areas during each month for consumption in United States:

LUMP COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crowsnest	179	131							96	224	231	375	1,236

MINE-RUN COAL

Crowsnest	306	88								86	81	36	597
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NUT COAL

Crowsnest	245	144	40			60		164		239	342	210	1,444
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SLACK COAL

Crowsnest	9,327	1,128	1,035	954	670	242	761	1,132	1,308	1,344	3,333	2,764	24,180
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Amount of Domestic Coal used under Colliery Boilers by areas during each month:

Ardley	75	50	60	50	40	45	50	65	60	75	95	70	735
Brooks	12	9	10	9	11	8	9	10	10	12	17	14	131
Camrose	162	126	118	91	182	73	90	88	82	130	135	130	1,407
Carbon	40	25	30	20	10	10	10	10	20	40	40	40	295
Castor	16	10	10	10	6	6	6	16	16	14	35	38	145
Drumheller	1,064	916	874	275	130	209	211	466	864	1,131	1,224	1,255	8,619
Edmonton	787	683	520	403	325	260	207	276	327	486	759	685	5,718
Lethbridge	299	379	347	74	27	43	27	45	52	97	331	295	2,016
Pembina	150	143	113	128	148	123	123	142	225	146	175	175	1,791
Taber	14	28	15	12	7	8	8	14	30	36	50	31	245
Tofield	50	50	50	100	100	350	350	300	50	50	50	50	1,350
No Area	30	6											36
Total	2,699	2,425	2,147	1,162	980	1,135	1,077	1,416	1,736	2,217	2,911	2,783	22,688

THE MINES BRANCH

Amount of Bituminous Coal used making Briquettes:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade	5,698	2,559	1,499	691	468	945	1,631	2,114	2,333	4,257	7,653	7,004	36,852
Nordegg	1,389	1,434	1,410	1,594	1,397	1,154	1,980	1,768	3,090	4,175	3,120	3,013	25,524
Total	7,087	3,993	2,909	2,285	1,865	2,099	3,611	3,882	5,423	8,432	10,773	10,017	62,376

Amount of Bituminous Coal used making Coke:

Crowsnest	8,933	8,568	9,587	9,038	9,027	8,558	8,381	8,543	8,105	8,733	8,963	9,490	105,926
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Amount of Domestic Coal Put to Stock by areas during each month:

Ardley	50	100	350	235	3	3	100	200	208	150	200	400	
Camrose	250	100	350	235	3	3	3	28	5	92	300	142	
Carbon	15	378	348	180	149	607	8	1,666	3,432	5,429	3	2,003	
Castor	780	10	75	75	25	34	130	20	852	1,461	5	47	
Champion	556	303	291	291	291	291	147	132	60	73	85	23	
Drumheller	303	303	303	303	303	303	352	5	46	2	2	16,945	
Edmonton	291	291	291	291	291	291	14	14	14	14	14	3,301	
Halcourt	291	291	291	291	291	291	14	14	14	14	14	53	
Lethbridge	291	291	291	291	291	291	14	14	14	14	14	1,796	
Rochester	291	291	291	291	291	291	14	14	14	14	14	60	
Taber	291	291	291	291	291	291	14	14	14	14	14	7	
Wetaskiwin	291	291	291	291	291	291	14	14	14	14	14	18	
Whitecourt	291	291	291	291	291	291	14	14	14	14	14	186	
No Area	62	14	14	14	14	14	14	14	14	14	14	76	
Total	1,272	1,745	488	823	415	184	996	405	2,056	4,798	7,540	4,335	25,057

Amount of Sub-Bituminous Coal Put to Stock by areas during each month:

Coalspur	65	465	5		199	33		767
Pincher	7	2			20			29
Prairie Creek	163				293	156	33	163
Saunders		63	23	152				720
Total	235	530	5	23	313	355	66	1,679

Amount of Bituminous Coal Put to Stock by areas during each month:

Cascade	461	536	444	322	950	855	329	1,164	993	365	150	532	7,091
Crownest	306	721	360	6,164	1,171	860	574	2,869	116	613	9	20	13,783
Highwood												72	
Mountain Park											33		
Nordeg	173	227	5	5	688	33	5	120		260	847	70	2,433
Total	940	1,474	809	6,491	2,809	1,748	908	4,153	1,109	1,238	1,039	694	23,412

Amount of Domestic Coal Put to Waste by areas during each month:

Ardley	15	10	2	1	2	2	2	2	2	2	4	25	
Big Valley	4	4	11	7								27	
Camrose	30	10	11	8			2		155	255	323	901	
Carbon	42	19	21	103	19	20	30	35	5	13	184	61	
Castor	282	259	186	19	7	8	7	31	295	668	315	371	
Champion	32	33	19	16	7	375	375	15	38	58	33	2,243	
Drumheller	415	279	110	1,105	615	375	375	2,634	4,644	3,314	648	266	
Edmonton	116	74	32	5	11	20		23	48	82	89	17,154	
Halcourt	4	4	2									500	
Lethbridge	28	12	19	9	9	6	35	22	88	94	48	10	
Milk River	32	25	22	2	8	24	24	4	19	121	60	464	
Pembina	25	2	10								8	351	
Sexsmith	7	4										53	
Sheerness	86	101	51	87	47	4	15	6	15	71	169	11	
Taber	122	101	45	62	33	14	14	30	157	253	233	732	
Tofield	32											1,175	
Wetaskiwin	8		3				20					32	
No Area	70	18	57									31	
												145	
Total	1,350	955	590	1,405	751	472	524	2,738	3,158	5,834	5,197	1,517	24,491

Amount of Sub-Bituminous Coal Put to Waste by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur	1,293	1,214	1,028	1,268	1,236	1,220	1,000	1,162	1,401	1,687	1,490	1,878	15,877
Pincher	40	35	12		7						25	15	134
Prairie Creek	20												20
Total	1,353	1,249	1,040	1,268	1,243	1,220	1,000	1,162	1,401	1,687	1,515	1,893	16,031

Amount of Bituminous Coal Put to Waste by areas during each month:

Cascade	10	20	10	10	10		4		8	5	15	25	117
Crowsnest	4,509	4,985	4,852	3,416	4,514	4,110	4,958	3,572	2,290	2,966	3,643	5,184	48,999
Total	4,519	5,005	4,862	3,426	4,524	4,110	4,962	3,572	2,298	2,971	3,658	5,209	49,116

Amount of Domestic Coal Lifted from Stock by areas during each month:

Camrose	120			232	51								171
Carbon	60	674		997	689			582	300	606	370	1,055	1,653
Drumheller	2,643	3,318	2,148	494	2,065	892	170		225		57		15,196
Edmonton	48	372	568		130	102				36	10		1,996
Halcourt										331	457	323	46
Lethbridge	841	80	522		259			375					3,188
Rochester			7										7
Tofield													
Whitecourt	31	48	2									63	81
No Area													
Total	3,623	4,612	3,247	1,723	3,234	994	170	967	525	973	884	1,451	22,403

Amount of Sub-Bituminous Coal Lifted from Stock by areas during each month.												
Coalspur	114	273	322	20	20	165	455	415	179	33		1,996
Pekisko					3							3
Pincher		10	1	8	5	4		20				48
Prairie Creek	90		63	60		23	152	293	156	33		60
Saunders												810
Total	204	283	386	88	28	27	607	728	335	66		2,917
Amount of Bituminous Coal Lifted from Stock by areas during each month.												
Cascade	311	461	526	444	322	950	329	1,164	993	365	150	6,870
Crownest	5,645	555	1,109	219	706	274	379	1,745	694	3,712	18,176	
Mountain Park												33
Nordeg	140	123	90	65	10	670	98	183		1,051	2,430	
Total	6,096	1,139	1,725	728	1,040	1,894	908	3,092	1,687	1,413	4,946	27,509
Amount of Domestic Coal Lifted from Waste by areas during each month.												
Drumheller				544	812	535				712	2,603	
Lethbridge										147	147	
Sheerness									40	30	70	
Taber	51										51	
No Area												
Total	51			544	812	535			40	889	2,871	

Sheerness	7	11										18	7	4	1	3						1	17	33	51	
Tabor	8	5	2	17								3	39	3	6	1	2	17	56			5	11	44	56	
Tofield	2	9									3	14	1	4	26	2		18	58						18	
Wetaskiwin	3	13									1	17			1			1							1	
Whitcourt																									1	
No Area	1	6										7									1		2		9	
Total	301	743	301	1,809	3	335	110	17	117	126	11	308	4,181	39	126	376	74	12	19	15	35	38	216	950	5,131	
Number of men employed in the SUB-BITUMINOUS FIELD as at December 31, 1940:																										
Coalspur	13	58	16	49	14	13	1	1	9	1	175	12	22	55	15	13	9	5	13	25	94	263	438			
Mortley																										
Pekisko	4	6			2	1					1	14	1		2						1	4	18			
Fincher	1												1									1	2			
Prairie Crook	9	16	6	20	4	7	10	12	15	5	104		3	8	3	3	2	2	2	2	1	24	128			
Saunders	4	10	48			3	6	2	5	1	79	2	3	15	4	4	1	1			2	2	34	113		
Total	30	81	32	117	20	24	17	1	14	29	1	7	373	16	28	78	24	20	10	8	15	30	97	326	699	
BITUMINOUS FIELD																										
Cascade	16	90			6	31	2	7	5	16	173	1	9	33	7	7	4	2			33	96	269			
Crowsnest	62	762			121	16	101	15	22	104	5	122	1,330	12	47	118	18	11	20	10	31	22	108	397	1,727	
Highwood	1										6	7														
Mountain Park	27	366	12		39	46	56	14	6	117	6	66	755	3	20	81	12	19	12	7	7	12	64	237	992	
Nordegg	9	92			20	11	1	18	10	1	162	2	11	7				4	5	10	2	37	82	244		
Total	115	1,310	12		160	88	199	32	53	236	12	210	2,427	18	87	240	37	41	40	24	48	36	242	813	3,240	
SUMMARY																										
Domestic	301	743	301	1,809	3	335	110	17	117	126	11	308	4,181	39	126	376	74	12	19	15	35	38	216	950	5,131	
Sub-Bituminous	30	81	32	117	20	24	17	1	14	29	1	7	373	16	28	78	24	20	10	8	15	30	97	326	699	
Bituminous	115	1,310	12		160	88	199	32	53	236	12	210	2,427	18	87	240	37	41	40	24	48	36	242	813	3,240	
Total	446	2,134	345	1,926	183	447	326	50	184	391	24	525	6,981	73	241	694	135	73	69	47	98	104	555	2,089	9,070	

THE MINES BRANCH

Men employed above and below ground in the DOMESTIC FIELD by areas each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley	66	55	39	22	17	17	19	22	27	46	64	64	38
Big Valley	8	16	11	7	10	8	6	9	7	9	12	24	10
Brooks	13	11	10	6	10	8	7	9	16	17	22	18	12
Canrose	134	116	104	82	44	48	55	56	70	123	141	137	93
Carbon	170	154	118	95	82	81	85	91	105	130	181	172	122
Castor	148	131	95	41	23	27	38	45	61	131	182	168	91
Champion	54	51	45	38	31	31	27	34	44	58	60	55	44
Drumheller	2,530	2,263	1,821	1,006	625	532	862	16,01	2,158	2,348	2,418	2,415	1,715
Edmonton	1,057	902	705	423	379	359	320	402	501	785	988	963	649
Gleichen	93	81	78	45	28	39	32	40	54	83	123	107	68
Halcourt	28	25	19	6	6	6	9	8	6	21	29	28	15
Lethbridge	610	573	430	407	322	314	375	511	557	610	645	624	498
Magrath	4	4	3	1	1	1	1	1	1	3	1	6	2
Milk River	9	8	7	6	6	11	9	8	19	32	19	18	13
Pakan											4	4	4
Pakowki	9	7	7	6	5	6	8	8	9	10	10	10	8
Pembina	57	55	50	35	54	53	49	48	43	46	56	54	52
Redcliff	51	47	44	23	28	22	25	28	31	50	57	59	39
Rochester	8	8	5	4	4	4	4	1	4	4	8	9	5
Sexsmith	2	2									3	3	3
Sheerness	41	38	36	33	26	32	27	23	26	52	48	51	36
Taber	44	37	31	25	20	17	21	20	38	46	53	56	34
Tofield	56	44	54	35	40	58	57	62	39	40	63	58	51
Wetaskiwin	23	18	12	7	9	7	7	7	5	11	16	18	12
Whitecourt	2	1	1	1						1	1	1	1
No Area	26	17	6	3							9	9	12
Total	5,243	4,673	3,731	2,377	1,760	1,677	2,043	3,032	3,821	4,656	5,203	5,131	3,627

Men employed above and below ground in the SUB-BITUMINOUS FIELD by areas each month:														
Coalspur	457	437	383	228	277	238	253	397	413	445	454	438	368	2
Moriey	2	2	13	13	12	7	10	14	15	17	17	18	14	2
Pekisko	15	16	6	1	4	2	2	3	3	3	3	2	3	3
Fincher Creek	209	181	136	161	152	154	160	141	138	128	128	128	151	3
Saunders	130	114	91	79	23	74	82	105	113	111	113	113	96	36
Total	819	756	629	482	468	475	507	660	682	704	715	699	634	
Men employed above and below ground in the BITUMINOUS FIELD by areas each month:														
Cascade	271	265	267	267	259	258	254	250	246	247	253	269	259	
Crownest	1,591	1,708	1,726	1,712	1,753	1,753	1,759	1,764	1,734	1,700	1,716	1,727	1,720	
Highwood	878	925	940	867	848	932	939	968	973	997	995	992	939	6
Mountain Park	218	221	226	230	226	228	230	233	238	238	245	244	231	
Nordegg														
Total	2,958	3,129	3,165	3,079	3,086	3,171	3,215	3,230	3,196	3,188	3,216	3,240	3,155	
Men employed above and below ground in the DOMESTIC, SUB-BITUMINOUS and BITUMINOUS FIELDS by areas each month:														
Domestic	5,243	4,673	3,731	2,377	1,760	1,677	2,043	3,032	3,821	4,656	5,203	5,131	3,627	
Sub-Bituminous	819	756	629	482	468	475	507	660	682	704	715	699	634	
Bituminous	2,958	3,129	3,165	3,079	3,086	3,171	3,215	3,220	3,196	3,188	3,216	3,240	3,155	
Total	9,020	8,558	7,525	5,938	5,314	5,323	5,765	6,912	7,699	8,548	9,134	9,070	7,416	

THE MINES BRANCH

PER CAPITA PRODUCTION OF MINES IN THE PROVINCE

Year	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed under-ground	Tons of coal mined per man employed under-ground
1906	1,385,000	2,800	494	2,000	692
1907	1,834,745	3,600	509	2,700	679
1908	1,845,000	3,780	488	2,681	688
1909	2,174,329	5,207	417	3,893	566
1910	3,036,757	5,818	504	4,090	742
1911	1,694,564	6,689	253	4,517	375
1912	3,446,349	6,661	517	4,861	708
1913	4,306,346	8,068	533	5,837	737
1914	3,821,739	8,170	467	6,052	631
1915	3,434,891	6,445	532	4,493	764
1916	4,648,604	7,570	614	5,536	839
1917	4,863,414	8,310	595	6,047	804
1918	6,148,620	8,818	697	6,141	1,001
1919	5,022,412	7,573	663	5,150	958
1920	6,908,923	9,688	712	6,551	1,055
1921	5,937,195	10,018	592	7,203	824
1922	5,976,432	8,757	683	6,154	971
1923	6,866,923	9,927	687	7,249	893
1924	5,202,713	7,317	711	5,299	982
1925	5,883,394	8,774	670	6,498	834
1926	6,508,908	8,763	743	6,569	991
1927	6,936,780	9,016	768	6,681	970
1928	7,334,179	9,496	772	6,625	1,107
1929	7,147,250	9,572	747	7,115	1,004
1930	5,755,911	8,889	648	6,607	871
1931	4,563,309	8,070	577	5,969	701
1932	4,867,984	7,837	621	5,772	844
1933	4,714,784	8,042	586	5,937	794
1934	4,748,848	7,863	604	5,809	714
1935	5,462,973	7,800	700	5,614	969
1936	5,696,375	8,110	702	5,940	959
1937	5,551,682	7,836	708	5,806	956
1938	5,230,025	7,411	706	5,427	965
1939	5,518,105	7,456	740	5,517	1,000
1940	6,205,088	7,416	836	5,526	1,122

PER CAPITA PRODUCTION OF MINES IN THE DOMESTIC COAL FIELD

1910	878,011	2,307	380	1,676	524
1911	964,700	3,548	271	2,488	391
1912	1,341,389	2,980	450	2,283	587
1913	1,763,225	4,017	438	2,929	601
1914	1,697,401	4,219	402	3,190	532
1915	1,682,922	3,181	529	2,210	761
1916	2,172,801	4,132	525	3,137	692
1917	2,537,829	4,701	539	3,489	727
1918	3,035,061	4,896	619	3,420	887
1919	2,611,009	4,226	617	2,953	884
1920	3,359,308	5,173	647	3,723	902
1921	2,943,141	5,601	525	4,256	691
1922	3,086,669	4,981	620	3,752	823
1923	3,161,741	4,969	636	3,765	812
1924	3,096,660	4,543	681	3,447	898
1925	3,156,359	4,874	647	3,750	808
1926	3,160,029	4,798	658	3,714	816
1927	3,357,171	4,663	720	3,603	891
1928	3,378,200	4,810	702	3,700	873
1929	3,385,749	4,944	685	3,813	880
1930	2,874,090	4,822	596	3,756	765
1931	2,245,563	4,400	510	3,419	628
1932	2,574,785	4,548	566	3,539	728
1933	2,434,947	4,480	543	3,487	698
1934	2,295,566	4,289	535	3,370	644
1935—Stp. pit	130,084	96	1,355		
B. Ground	2,517,828	3,927	658	3,059	823
1936—Stp. pit	80,111	107	749		
B. Ground	2,761,120	4,112	671	3,243	851
1937—Stp. pit	80,111	79	1,014		
B. Ground	2,551,034	3,148	810	3,162	832
1938—Stp. pit	72,829	74	945		
B. Ground	2,380,434	3,573	667	2,846	801*
1939—Stp. pit	76,394	73	1,048		
B. Ground	2,372,805	3,636	653	2,900	818*
1940—Stp. pit	74,021	71	1,042		
B. Ground	2,463,184	3,556	692	2,844	866*

*See note on page over.

PER CAPITA PRODUCTION OF MINES IN THE SUB-BITUMINOUS COAL FIELD

Year	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
1922—Stp. pit	367,514	217	1,692		
B. Ground	179,550	403	445	277	648
1923—Stp. pit	288,467	190	1,513		
B. Ground	174,994	354	494	260	673
1924—Stp. pit	369,724	211	1,752		
B. Ground	222,222	393	565	278	799
1925—Stp. pit	335,993	162	2,074		
B. Ground	245,842	461	533	326	754
1926—Stp. pit	258,964	147	1,761		
B. Ground	231,407	443	545	305	758
1927—Stp. pit	304,584	194	1,583		
B. Ground	290,606	478	608	321	905
1928—Stp. pit	394,682	179	2,205		
B. Ground	345,810	643	536	457	756
1929—Stp. pit	319,764	163	1,962		
B. Ground	348,344	585	595	402	866
1930—Stp. pit	304,144	157	1,937		
B. Ground	299,187	569	526	390	767
1931—Stp. pit	280,251	161	1,803		
B. Ground	191,138	486	393	336	569
1932—Stp. pit	348,266	177	1,868		
B. Ground	211,213	491	430	341	619
1933—Stp. pit	309,365	170	1,820		
B. Ground	244,776	516	474	370	661
1934—Stp. pit	302,054	158	1,912		
B. Ground	235,488	482	489	326	722
1935—Stp. pit	287,970	180	1,600		
B. Ground	278,466	501	830	337	826
1936—Stp. pit	263,899	175	1,508		
B. Ground	302,587	532	569	360	841
1937—Stp. pit	229,747	149	1,542		
B. Ground	276,782	504	549	348	795
1938—Stp. pit	227,317	148	1,536		
B. Ground	261,595	633	772	327	800*
1939—Stp. pit	246,459	142	1,735		
B. Ground	265,646	494	538	320	830*
1940—Stp. pit	318,425	241	1,321		
B. Ground	280,261	393	713	328	854*

*See note on page over.

PER CAPITA PRODUCTION OF MINES IN THE BITUMINOUS COAL FIELD

1910	1,896,961	2,981	636	2,076	914
1911	649,745	2,645	246	1,820	357
1912	1,926,371	3,243	594	2,353	818
1913	2,374,401	3,562	666	2,645	897
1914	1,953,367	3,529	553	2,632	742
1915	1,626,237	2,921	557	2,103	773
1916	2,335,259	3,142	743	2,258	1,034
1917	2,206,868	3,335	661	2,429	909
1918	2,982,334	3,636	820	2,597	1,109
1919	2,325,787	3,118	745	2,100	1,108
1920	3,410,021	4,228	809	2,711	1,202
1921	2,897,380	4,133	701	2,820	1,026
1922	2,214,273	3,034	729	2,084	1,062
1923	3,241,614	4,345	746	3,215	1,008
1924	1,515,107	2,171	698	1,574	966
1925	2,145,200	3,277	654	2,422	885
1926	2,858,508	3,375	847	2,550	1,121
1927	2,984,419	3,682	810	2,757	1,082
1928	3,215,481	3,862	832	2,468	1,302
1929	3,093,393	3,880	797	2,898	1,077
1930	2,278,490	3,341	682	2,461	926
1931	1,846,357	3,023	611	2,214	834
1932	1,733,720	2,621	660	1,892	916
1933	1,726,596	2,876	600	2,080	830
1934	1,915,740	2,934	653	2,113	907
1935	2,248,625	3,096	726	2,248	1,000
1936	2,268,658	3,184	719	2,337	979
1937	2,414,003	3,156	765	2,295	1,052
1938	2,287,850	3,131	731	2,254	1,015
1939	2,556,801	3,111	822	2,297	1,113
1940	3,069,197	3,155	972	2,354	1,303

THE MINES BRANCH

PER CAPITA PRODUCTION OF MINES IN THE ANTHRACITE COAL FIELD

Year	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed under- ground	Tons of coal mined per man employed under- ground
1910	261,785	530	493	338	774
1911	80,119	500	160	209	382
1912	178,589	438	407	225	793
1913	168,720	489	345	263	641
1914	170,971	422	405	230	743
1915	125,732	343	366	180	698
1916	140,544	296	474	141	996
1917	118,717	284	418	129	920
1918	131,225	286	458	124	1,058
1919	85,616	229	374	95	901
1920	130,594	287	455	117	1,116
1921	96,674	284	341	127	761
1922	40,417	112	361	41	986
1923	107	69	1	9	12

NOTE.—The table showing the number of men employed in the Anthracite Coal Field, includes employees at the briquetting plant. There has been no anthracite coal produced since 1923.

*Calculating the total per capita production for men employed underground, the tonnage mined from stripping pits was deducted and only the tonnage produced from mines was used.

It will also be noted that the tonnage used in the above and following tables does not include tonnage extracted under permit.

PER CAPITA PRODUCTION OF MINES BY AREAS:
DOMESTIC COAL FIELD

Area	Gross tons of coal mined	Total Average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
Ardley	17.723	38	466	31	571
Big Valley	2.594	10	259	9	287
Brooks	11.326	12	944	7	1,619
Camrose	59.646	93	641	68	877
Carbon	70.851	122	581	100	709
Castor	42.416	91	466	81	524
Champion	14.983	44	341	39	384
Drumbeller	1,287.935	1,715	751	1,382	931
Edmonton	483.924	649	746	539	898
Gleichen	23.221	68	341	60	387
Halcourt	3.163	15	211	13	243
Lethbridge	327.817	498	658	361	908
Magrath	305	2	152	2	152
Milk River	5.156	13	397	5	1,031
Pakan	95	4	24		
Pakowki	1.328	8	166	8	166
Pembina	50.420	52	970	38	1,327
Redcliff	30.418	39	780	30	1,014
Rochester	1.965	5	395	4	491
Sexsmith	234	3	78	2	117
Sheerness (Stripping)	26.847	26	1,032		
Sheerness (Underground)	3.759	10	376	10	376
Taber	13.324	34	392	27	493
Tofield (Stripping)	47.174	45	1,048		
Tofield (Underground)	4.034	6	672	6	672
Wetaskiwin	3.831	12	319	11	348
Whitecourt	317	1	317	2	158
No Area	2,399	12	200	9	267
Total	2,537,205	3,627	699	2,844	866

SUB-BITUMINOUS COAL FIELD

Coalspur (Stripping)	318,425	241	1,321		
Coalspur (Underground)	130,194	127	1,025	127	1,025
Morley	73	2	36	2	36
Pekisko	5,673	14	405	11	516
Pincher	606	3	202	2	303
Prairie Creek	100,753	151	667	120	840
Saunders	42,962	96	448	66	651
Total	598,686	634	944	328	854

*This figure is arrived at by deducting the tonnage from stripping pits from gross tonnage mined and dividing the product by the number of men employed underground.

BITUMINOUS COAL FIELD

Cascade	206,732	259	798	174	1,188
Crownest	1,616,467	1,720	940	1,323	1,222
Highwood	305	6	51	5	61
Mountain Park	1,011,252	939	1,077	696	1,453
Nordeg	234,441	231	1,015	156	1,503
Total	3,069,197	3,155	972	2,354	1,303

THE MINES BRANCH

Number of days on which Coal was drawn in the DOMESTIC FIELD by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley	17.24	9.50	9.57	7.00	4.00	11.00	8.50	14.00	11.00	12.70	19.25	16.60	140.26
Big Valley	16.33	15.60	8.75	5.33	9.00	2.00	7.33	14.00	17.00	20.70	23.00	18.50	148.94
Brooks	25.50	25.00	26.00	6.00	9.00	13.50	18.00	11.00	22.50	26.00	26.00	20.50	229.00
Camrose	22.75	17.00	14.13	12.33	14.67	12.66	13.75	17.00	20.25	18.70	23.43	19.86	206.93
Carbon	18.56	14.63	10.81	7.23	7.11	6.67	9.00	10.50	14.10	19.70	20.79	16.43	155.53
Castor	16.94	13.54	9.39	9.19	8.66	8.24	8.40	11.43	9.91	15.80	23.30	19.70	154.50
Champion	15.88	15.14	12.00	11.38	7.37	9.14	13.00	12.40	18.00	24.10	21.00	16.29	178.70
Drumheller	15.04	10.93	7.80	7.61	5.47	6.70	7.50	12.44	12.04	20.00	21.63	16.56	143.66
Edmonton	21.03	17.43	15.39	11.13	11.73	11.80	9.18	11.62	15.64	21.90	23.00	20.52	190.37
Gleichen	18.00	19.50	12.67	9.17	12.50	13.20	16.70	24.00	17.60	19.10	22.90	20.60	205.94
Halcourt	21.50	17.67	11.20	2.50	13.50	20.50	13.50	15.00	15.00	8.54	22.00	21.70	182.61
Lethbridge	17.16	15.43	12.64	12.05	10.62	5.67	14.35	16.41	17.75	19.80	20.30	17.00	179.19
Magrath	9.50	9.00	5.00	19.00	2.00	2.00	3.00	4.00	8.00	4.00	20.50	20.00	85.50
Milk River	12.75	11.25	9.50	7.50	15.66	7.33	8.00	11.00	19.70	24.50	10.00	14.75	162.44
Pakan											10.00	14.00	24.00
Pakowki	7.00	7.00	6.67	7.50	6.00	7.00	6.66	7.33	10.50	21.70	21.50	8.25	117.11
Pembina	21.50	11.00	12.67	13.50	13.50	17.00	13.00	8.50	16.25	17.00	18.00	17.00	178.92
Redcliff	20.50	15.50	14.00	23.00	11.00	13.00	15.00	13.50	17.50	27.00	26.00	21.00	217.00
Rochester	26.00	21.00	10.00	8.00			11.00	4.00	3.00	10.50	20.50	20.00	134.00
Sexsmith	18.00	10.00									26.00	24.00	78.00
Sheerness	15.50	13.33	10.30	10.10	5.87	6.00	8.40	9.87	12.12	10.10	19.17	12.46	133.03
Taber	15.38	14.31	11.08	11.18	11.37	6.63	8.62	9.14	15.00	17.50	19.00	13.66	152.87
Tofield	23.00	15.00	16.75	24.00	13.50	15.50	15.50	14.50	15.50	14.30	24.00	21.00	211.55
Wetaskiwin	16.50	13.25	12.50	5.00	2.00	2.34	5.00	7.50	10.00	10.50	22.69	22.00	129.28
Whitecourt	12.00		12.00							23.00	18.00	6.00	71.00
No Area	19.80	11.30	9.00								18.00	24.00	82.10
Total	17.69	14.30	11.66	10.44	9.27	9.42	10.61	11.77	14.47	17.70	21.31	17.78	166.43

Number of days on which Coal was drawn in the SUB-BITUMINOUS FIELD by areas during each month:

	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576	1575	1574	1573	1572	1571	1570	1569	1568	1567	1566	1565	1564	1563	1562	1561	1560	1559	1558	1557	1556	1555	1554	1553	1552	1551	1550	1549	1548	1547	1546	1545	1544	1543	1542	1541	1540	1539	1538	1537	1536	1535	1534	1533	1532	1531	1530	1529	1528	1527	1526	1525	1524	1523	1522	1521	1520	1519	1518	1517	1516	1515	1514	1513	1512	1511	1510	1509	1508	1507	1506	1505	1504	1503	1502	1501	1500	1499	1498	1497	1496	1495	1494	1493	1492	1491	1490	1489	1488	1487	1486	1485	1484	1483	1482	1481	1480	1479	1478	1477	1476	1475	1474	1473	1472	1471	1470	1469	1468	1467	1466	1465	1464	1463	1462	1461	1460	1459	1458	1457	1456	1455	1454	1453	1452	1451	1450	1449	1448	1447	1446	1445	1444	1443	1442	1441	1440	1439	1438	1437	1436	1435	1434	1433	1432	1431	1430	1429	1428	1427	1426	1425	1424	1423	1422	1421	1420	1419	1418	1417	1416	1415	1414	1413	1412	1411	1410	1409	1408	1407	1406	1405	1404	1403	1402	1401	1400	1399	1398	1397	1396	1395	1394	1393	1392	1391	1390	1389	1388	1387	1386	1385	1384	1383	1382	1381	1380	1379	1378	1377	1376	1375	1374	1373	1372	1371	1370	1369	1368	1367	1366	1365	1364	1363	1362	1361	1360	1359	1358	1357	1356	1355	1354	1353	1352	1351	1350	1349	1348	1347	1346	1345	1344	1343	1342	1341	1340	1339	1338	1337	1336	1335	1334	1333	1332	1331	1330	1329	1328	1327	1326	1325	1324	1323	1322	1321	1320	1319	1318	1317	1316	1315	1314	1313	1312	1311	1310	1309	1308	1307	1306	1305	1304	1303	1302	1301	1300	1299	1298	1297	1296	1295	1294	1293	1292	1291	1290	1289	1288	1287	1286	1285	1284	1283	1282	1281	1280	1279	1278	1277	1276	1275	1274	1273	1272	1271	1270	1269	1268	1267	1266	1265	1264	1263	1262	1261	1260	1259	1258	1257	1256	1255	1254	1253	1252	1251	1250	1249	1248	1247	1246	1245	1244	1243	1242	1241	1240	1239	1238	1237	1236	1235	1234	1233	1232	1231	1230	1229	1228	1227	1226	1225	1224	1223	1222	1221	1220	1219	1218	1217	1216	1215	1214	1213	1212	1211	1210	1209	1208	1207	1206	1205	1204	1203	1202	1201	1200	1199	1198	1197	1196	1195	1194	1193	1192	1191	1190	1189	1188	1187	1186	1185	1184	1183	1182	1181	1180	1179	1178	1177	1176	1175	1174	1173	1172	1171	1170	1169	1168	1167	1166	1165	1164	1163	1162	1161	1160	1159	1158	1157	1156	1155	1154	1153	1152	1151	1150	1149	1148	1147	1146	1145	1144	1143	1142	1141	1140	1139	1138	1137	1136	1135	1134	1133	1132	1131	1130	1129	1128	1127	1126	1125	1124	1123	1122	1121	1120	1119	1118	1117	1116	1115	1114	1113	1112	1111	1110	1109	1108	1107	1106	1105	1104	1103	1102	1101	1100	1099	1098	1097	1096	1095	1094	1093	1092	1091	1090	1089	1088	1087	1086	1085	1084	1083	1082	1081	1080	1079	1078	1077	1076	1075	1074	1073	1072	1071	1070	1069	1068	1067	1066	1065	1064	1063	1062	1061	1060	1059	1058	1057	1056	1055	1054	1053	1052	1051	1050	1049	1048	1047	1046	1045	1044	1043	1042	1041	1040	1039	1038	1037	1036	1035	1034	1033	1032	1031	1030	1029	1028	1027	1026	1025	1024	1023	1022	1021	1020	1019	1018	1017	1016	1015	1014	1013	1012	1011	1010	1009	1008	1007	1006	1005	1004	1003	1002	1001	1000	999	998	997	996	995	994	993	992	991	990	989	988	987	986	985	984	983	982	981	980	979	978	977	976	975	974	973	972	971	970	969	968	967	966	965	964	963	962	961	960	959	958	957	956	955	954	953	952	951	950	949	948	947	946	945	944	943	942	941	940	939	938	937	936	935	934	933	932	931	930	929	928	927	926	925	924	923	922	921	920	919	918	917	916	915	914	913	912	911	910	909	908	907	906	905	904	903	902	901	900	899	898	897	896	895	894	893	892	891	890	889	888	887	886	885	884	883	882	881	880	879	878	877	876	875	874	873	872	871	870	869	868	867	866	865	864	863	862	861	860	859	858	857	856	855	854	853	852	851	850	849	848	847	846	845	844	843	842	841	840	839	838	837	836	835	834	833	832	831	830	829	828	827	826	825	824	823	822	821	820	819	818	817	816	815	814	813	812	811	810	809	808	807	806	805	804	803	802	801	800	799	798	797	796	795	794	793	792	791	790	789	788	787	786	785	784	783	782	781	780	779	778	777	776	775	774	773	772	771	770	769	768	767	766	765	764	763	762	761	760	759	758	757	756	755	754	753	752	751	750	749	748	747	746	745	744	743	742	741	740	739	738	737	736	735	734	733	732	731	730	729	728	727	726	725	724	723	722	721	720	719	718	717	716	715	714	713	712	711	710	709	708	707	706	705	704	703	702	701	700	699	698	697	696	695	694	693	692	691	690	689	688	687	686	685	684	683	682	681	680	679	678	677	676	675	674	673	672	671	670	669	668	667	666	665	664	663	662	661	660	659	658	657	656	655	654	653	652	651	650	649	648	647	646	645	644	643	642	641	640	639	638	637	636	635	634	633	632	631	630	629	628	627	626	625	624	623	622	621	620	619	618	617	616	615	614	613	612	611	610	609	608	607	606	605	604	603	602	601	600	599	598	597	596	595	594	593	592	591	590	589	588	587	586	585	584	583	582	581	580	579	578	577	576	575	574	573	572	571	570	569	568	567	566	565	564	563	562	561	560	559	558	557	556	555	554	553	552	551	550	549	548	547	546	545	544	543	542	541	540	539	538	537	536	535	534	533	532	531
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THE MINES BRANCH

Total number of shifts worked above and below ground by areas during each month for the six months ending June 30, 1940:

DOMESTIC FIELD

Areas	January		February		March		April		May		June		Total Jan. to June	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Ardley	325	832	192	420	163	359	96	140	69	85	103	150	948	1,986
Big Valley	39	102	70	179	22	59	18	20			6	8	155	368
Brooks	162	155	137	133	74	105	79	42	145	63	98	68	865	566
Camrose	760	2,296	567	1,510	413	1,250	372	954	228	663	520	363	2,860	7,036
Carbon	763	2,458	571	1,481	396	1,015	279	833	236	679	133	557	2,378	7,023
Castor	539	1,906	451	1,220	290	642	102	262	81	124	121	159	1,584	4,313
Champion	134	681	120	602	91	397	86	311	44	161	47	181	522	2,333
Drumheller	8,608	33,268	5,989	20,112	4,952	13,908	3,542	8,052	3,067	4,900	2,771	3,706	28,929	83,946
Edmonton	3,874	18,320	2,648	11,821	2,561	7,951	1,497	5,207	1,288	4,332	11,50	3,919	13,018	51,550
Gleichen	261	1,469	250	1,498	150	821	88	302	88	310	169	414	1,006	4,814
Halcourt	119	506	81	358	40	147	3	8	15	36	21	78	279	1,133
Lethbridge	3,099	7,699	2,563	5,323	2,231	3,778	2,352	4,239	1,736	2,425	1,520	1,269	13,501	24,733
Magrath	10	30	9	27	5	10	5	14	2	24	13	7	44	112
Milk River	50	58	65	30	52	24	57	23	55	18	69	6	348	159
Pakan														
Pakowki	16	26	20	17	20	34	12	22	2	13	7	34	77	146
Pembina	357	864	279	612	357	588	401	961	429	953	310	683	2,133	4,661
Redcliff	243	802	177	527	127	443	92	356	112	393	42	270	793	2,791
Rochester	52	158	42	130	20	38	14	19	10	3	21	6	159	354
Sexsmith	7	30	9	10									16	40
Sheerness	412	158	326	120	270	88	307	66	199	17	421	12	1,935	461
Taber	207	447	164	334	101	251	88	164	59	119	30	79	649	1,394
Tofield	907	3,780	790	54	894	41	840	20	976	3	1,356	7	5,763	2,955
Wetaskiwin	66	378	55	252	50	124	20	47	4	3	10	64	205	868
Whitecourt	12	18			12	36	5						29	18
No Area	159	318	66	136	28	36	9	18					262	498
Total	21,181	73,169	15,641	46,896	13,319	32,109	10,364	22,060	8,845	15,324	8,938	12,040	78,288	201,598

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Total number of shifts worked above and below ground by areas during each month for the six months ending December 31, 1940

DOMESTIC FIELD

Areas	July		August		September		October		November		December		Total July to Dec.		Total for Year 1940	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Ardley	108	152	143	231	116	264	133	611	292	1,033	231	868	1,023	3,159	1,971	5,115
Big Valley	15	65	20	86	10	78	26	149	24	260	14	362	109	1,000	1,264	1,368
Brooks	82	62	114	97	142	145	134	252	246	288	153	229	871	1,073	1,566	1,639
Camrose	261	673	313	780	311	923	576	1,686	892	2,462	716	2,155	3,669	8,679	3,929	15,715
Carbon	189	742	289	1,144	397	1,367	544	2,201	668	3,379	438	2,397	3,575	11,230	4,353	18,353
Castor	113	274	136	418	168	556	305	1,497	400	3,481	392	2,691	1,554	8,317	3,038	13,250
Champion	61	242	214	822	99	580	136	948	170	1,163	46	698	776	4,453	1,298	6,796
Drumheller	3,404	6,588	5,840	19,230	7,227	24,238	9,920	43,829	10,365	45,025	8,268	31,090	45,024	173,000	73,953	256,946
Edmonton	1,219	2,630	1,556	4,872	1,927	6,705	2,788	13,021	3,433	18,220	2,986	15,800	13,909	61,311	26,927	112,861
Gleichen	73	403	143	649	160	768	221	1,425	299	2,539	292	1,394	1,148	7,778	2,154	12,592
Halcourt	32	66	19	66	122	114	32	315	33	480	53	546	197	1,517	476	2,650
Lethbridge	2,279	3,876	2,853	6,476	2,629	6,668	3,497	10,718	3,659	11,532	2,933	7,730	17,830	47,000	31,351	71,733
Magrath	18	3	19	4	16	8	4	9	9	11,532	40	80	97	104	141	216
Milk River	48	36	49	10	68	52	223	122	395	132	56	60	882	412	1,230	571
Pekowki	10	22	11	28	11	46	17	183	36	102	11	67	86	448	152	591
Pembina	281	530	246	536	264	615	273	608	341	830	208	708	1,716	3,827	3,849	8,438
Redcliff	139	298	104	312	177	371	293	1,048	246	1,129	278	841	1,237	3,999	2,030	6,790
Rochester	11	8	13	9	24	27	28	36	29	41	66	123	171	244	330	598
Rexsmith									7	52	43	47	30	99	46	139
Stearness	362	76	315	34	219	64	385	130	634	350	261	193	2,376	847	4,311	1,308
Tuberd	46	126	46	131	106	478	168	620	332	728	148	444	846	2,530	1,495	3,924
Tofield	1,440	10	1,534	6	865	9	696	66	1,248	369	1,009	310	6,732	761	12,495	1,056
Wetaskiwin	5	49	9	67		80	8	140	24	306	21	340	67	982	76	1,850
Whitcourt							23		18		48	199	66	325	328	823
No Area																
Total	10,199	16,931	13,986	35,971	14,898	44,156	20,430	79,547	23,895	94,018	19,102	73,072	102,510	343,695	180,798	545,293

SUB-BITUMINOUS FIELD

Areas	January		February		March		April		May		June		Total Jan. to June	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Coalspur	6,396	2,893	5,467	1,754	5,102	953	4,963	129	5,473	501	4,981	315	32,382	6,545
Morley	8	211	2	4	83	162	48	84	51	76	30	30	397	817
Pekisko	96	30	90	254	54	8	12	2	6	6	4	74	112	112
Pincher	30	40	24	54	8	12	2	2	731	2,934	755	3,164	5,363	17,976
Prairie Creek	1,277	3,307	957	2,610	765	2,768	878	3,193	731	2,934	755	3,164	5,363	17,976
Saunders	683	1,790	480	941	248	341	225	321	34	12	198	409	1,868	3,814
Total	8,489	8,249	7,020	5,617	6,206	4,236	6,116	3,727	6,295	3,529	5,968	3,918	40,094	29,276

BITUMINOUS FIELD

Areas	January		February		March		April		May		June		Total Jan. to June	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Cascade	2,179	3,847	1,994	3,366	2,084	3,087	1,848	2,545	1,745	2,089	1,579	2,053	11,429	16,987
Crowsnest	9,609	24,634	11,370	30,788	10,615	29,824	9,238	24,410	9,124	26,681	8,414	24,760	58,370	161,097
Highwood	141	10	141	10	51	21	21	21	6,411	14,716	6,379	15,840	39,072	88,789
Mountain Park	7,469	15,408	6,563	14,656	6,141	13,842	6,109	14,327	6,411	14,716	6,379	15,840	39,072	88,789
Nordegg	1,339	2,123	1,361	2,394	1,431	2,454	1,538	2,407	1,446	2,281	1,305	1,992	8,420	13,651
Total	20,596	46,012	21,429	51,214	20,322	49,228	18,754	43,689	18,726	45,767	17,677	44,645	117,504	280,555

TOTAL DOMESTIC, SUB-BITUMINOUS AND BITUMINOUS COAL FIELDS

Areas	January		February		March		April		May		June		Total Jan. to June	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Domestic	21,181	73,169	15,641	46,896	13,319	32,109	10,364	22,060	8,845	15,324	8,938	12,040	78,288	201,598
Sub-Bituminous	8,489	8,249	7,020	5,617	6,206	4,236	6,116	3,727	6,295	3,529	5,968	3,918	40,094	29,276
Bituminous	20,596	46,012	21,429	51,214	20,322	49,228	18,754	43,689	18,726	45,767	17,677	44,645	117,504	280,555
Total	50,266	127,430	44,090	103,727	39,847	85,573	35,234	69,476	33,866	64,620	32,583	60,603	235,886	511,429

SUB-BITUMINOUS FIELD

Areas	July		August		September		October		November		December		Total July to Dec.		Total for Year 1940	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Coalspur	4,221	602	7,187	2,721	7,116	2,027	7,753	3,334	7,904	4,253	7,836	3,977	42,017	16,914	74,399	23,459
Morley	107	96	102	127	97	116	118	188	103	264	95	291	622	1,082	1,019	1,899
Pekisko	3	5	5	5	12	12	630	2,631	618	2,472	533	2,175	3,706	15,681	9,069	33,657
Pincher	726	3,187	624	2,818	575	2,398	591	1,317	704	1,898	680	1,691	3,289	7,490	5,157	11,304
Prairie Creek	361	619	384	732	569	1,233	591	1,317	704	1,898	680	1,691	3,289	7,490	5,157	11,304
Saunders																
Total	5,418	4,504	8,302	6,403	8,369	5,786	9,092	7,470	9,341	8,911	9,157	8,147	49,679	41,221	89,773	70,497

BITUMINOUS FIELD

Areas	July		August		September		October		November		December		Total July to Dec.		Total for Year 1940	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Castade	1,807	2,762	1,896	3,040	1,743	2,617	1,943	2,937	2,031	3,768	2,163	3,924	11,583	19,078	23,012	36,065
Crowsnest	9,244	27,481	8,908	25,183	7,150	19,339	7,934	21,625	8,169	22,384	8,417	24,732	49,822	140,744	108,192	301,841
Highwood	48	273	51	77	51	200	111	111	99	99	19	133	121	893	334	924
Mountain Park	6,443	16,586	6,212	14,924	6,670	15,659	7,286	15,081	6,284	16,591	6,836	16,710	39,731	95,551	78,803	184,340
Nordegg	1,953	3,183	1,431	2,612	1,979	3,758	2,032	3,510	2,000	3,575	2,195	3,747	11,590	20,415	20,010	34,066
Total	19,495	50,285	18,447	45,866	17,596	41,603	19,195	43,264	18,484	46,417	19,630	49,246	112,847	276,681	230,351	557,236

TOTAL DOMESTIC SUB-BITUMINOUS AND BITUMINOUS COAL FIELDS

Areas	July		August		September		October		November		December		Total July to Dec.		Total for Year 1940	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Domestic	10,199	16,931	13,986	35,971	14,898	44,156	20,430	79,547	23,895	94,018	19,102	73,072	102,510	343,695	180,798	545,293
Sub-Bituminous	5,418	4,504	8,302	6,403	8,369	5,786	9,092	7,470	9,341	8,911	9,157	8,147	49,679	41,221	89,773	70,497
Bituminous	19,495	50,285	18,447	45,866	17,596	41,603	19,195	43,264	18,484	46,417	19,630	49,246	112,847	276,681	230,351	557,236
Total	35,112	71,720	40,735	88,240	40,863	91,545	48,717	130,281	51,720	149,346	47,889	130,465	265,036	661,597	500,922	1,173,026

THE MINES BRANCH

AMOUNT OF MINE TIMBER USED DURING THE YEAR
DOMESTIC COAL FIELD

Area	Round Timber, linear feet	Lumber, B.M. feet	Ties, linear feet	Lagging, linear feet	Slabs, cords
Ardley	50,585				
Big Valley	17,216				
Brooks	26,987				
Camrose	331,623				
Carbon	326,884	1,000			
Castor	163,128				
Champion	72,910				
Drumheller	4,721,259		147,039		294
Edmonton	2,521,067		8,390		216 5 6
Gleichen	61,600				
Halcourt	14,740				
Lethbridge	1,442,892	23,664	17,584		8
Magrath	5,080				
Milk River	4,600				
Pakowki	8,880				
Pembina	128,377				
Redcliff	79,257		19,200		
Rochester	18,734				
Sexsmith	1,000				
Sheerness	8,000				
Taber	47,230				
Tofield	28,502				
Wetaskiwin	14,335				
Whitecourt	300				
No Area	7,705				
Total	10,102,891	24,664	192,213		518 5 6

SUB-BITUMINOUS COAL FIELD

Coalspur	149,528			
Pekisko	18,597			306
Pincher	3,500			
Prairie Creek	857,876			
Saunders	224,644			25,080
Total	1,254,145			25,386

BITUMINOUS COAL FIELD

Cascade	277,512			
*Crowsnest	3,098,146	1,025,340		1,239,900
Highwood	3,180			16
Mountain Park	1,280,510			
Nordegg	791,018			
Total	5,450,366	1,025,340		1,239,916

*In addition 100 tons of steel rails were used for timbering in the Crowsnest area.

PARTICULARS OF LAMPS IN THE DOMESTIC COAL FIELD

	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940
Portable Electric Lamps, Edison Cap Type	1,592	1,800	2,627	2,530	2,481	2,521	2,634	2,556	2,792	2,310	2,300	2,148	2,123	2,071
Portable Electric Lamps, Wheat Cap														
Portable Electric Lamps, Wolfe	108	106	157	171	66	66	242	66	244	308	58	104	37	31
Safety Lamps, Wolfe Flame Type	3						3	191	244	3	244	95	177	207
Safety Lamps, Kochler Flame Type											4	26	27	48
Total	1,703	1,906	2,784	2,701	2,807	2,761	2,879	2,813	3,039	2,618	2,606	2,373	2,395	2,357

PARTICULARS OF LAMPS IN THE SUB-BITUMINOUS COAL FIELD

Portable Electric Lamps, Edison Cap Type	120	140	161	184	387	350	357	453	275	297	372	389	449	430
Portable Electric Lamps, Wolfe Flame Type	39	45	37	25	51	59	39	46	39	38	45	39	41	43
Total	159	185	198	209	438	409	396	499	314	335	417	428	490	475

PARTICULARS OF LAMPS IN THE BITUMINOUS COAL FIELD

Portable Electric Lamps, Edison Cap Type	3,378	3,510	3,310	3,458	4,458	3,005	2,922	2,638	2,743	2,607	2,788	2,745	2,517	2,712
Portable Electric Lamps, Wheat Electric Cap Type		11	12											
Portable Electric Lamps, Wolfe Electric Cap Type		20	20	20	7			20	25	25	25	25	25	25
Safety Lamps, Wolfe Flame Type	633	468	363	345	353	337	318	329	324	327	321	319	255	268
Safety Lamps, Kochler Flame Type	8													
Total	4,019	4,009	3,705	3,823	4,818	3,342	3,240	2,987	3,067	2,959	3,134	3,089	2,772	2,980

THE MINES BRANCH

QUANTITY OF EXPLOSIVES USED IN POUNDS IN BLASTING COAL:
DOMESTIC COAL FIELD

Areas	Names of Explosives										Total
	Pellets	Polar Monobel No. 4	Polar Monobel No. 14	CXL-ITE	Cardox	Stopeite 40%	40% Dynamite	Stumping Powder	Loose Black	Lump Kol Pellet	
Ardley	6,730	.....	606	.....	.....	.....	.....	.....	.....	.....	7,330
Big Valley	695	.....	.....	.....	.....	.....	.....	.....	.....	.....	695
Brooks	7,500	.....	50	.....	.....	.....	.....	.....	.....	.....	7,550
Camrose	100	800	500	.....	.....	.....	.....	3	.....	.....	1,403
Carbon	14,926	300	27	.....	.....	.....	.....	.....	.....	.....	15,253
Castor	6,325	60	.....	.....	.....	.....	.....	22	.....	2,560	8,967
Champion	5,550	.....	.....	200	.....	.....	.....	.....	.....	2,250	8,000
Drumheller	133,339	500	24,040	960	52,486	650	.....	.....	.....	645	212,620
Edmonton	7,784	4,600	17,129	.....	.....	.....	.....	2,580	.....	12,200	44,293
Gleichen	3,050	.....	350	.....	.....	.....	.....	.....	.....	3,800	7,200
Halcourt	225	.....	.....	.....	.....	.....	.....	140	.....	.....	365
Lethbridge	7,900	5,302	15,727	.....	30,550	.....	.....	.....	.....	370	59,849
Magrath	.....	350	.....	.....	.....	.....	.....	.....	.....	.....	350
Milk River	1,300	350	.....	.....	.....	.....	.....	.....	.....	400	2,050
Pakowki	500	50	.....	.....	.....	.....	.....	.....	.....	.....	550
Pembina	.....	31	.....	.....	.....	.....	.....	20	.....	.....	51
Redcliff	800	.....	1,500	.....	.....	.....	.....	.....	.....	.....	2,300
Sexsmith	.....	.....	.....	.....	.....	.....	35	.....	.....	.....	35
Sheerness	230	.....	.....	.....	.....	.....	.....	.....	1,210	600	2,040
Taber	2,953	.....	.....	.....	.....	.....	.....	.....	.....	350	3,303
Tofield	.....	.....	300	.....	.....	.....	30	.....	5,860	.....	6,190
Wetaskiwin	300	.....	301	.....	.....	.....	.....	.....	350	.....	951
Whitecourt	58	.....	.....	.....	.....	.....	.....	.....	.....	.....	58
No Area	.....	.....	40	.....	.....	.....	.....	10	.....	.....	50
Total	200,265	12,343	60,564	1,160	83,036	650	65	2,775	7,420	23,175	391,453

SUB-BITUMINOUS COAL FIELD

Areas	Names of Explosives					Total
	Pellets	Polar Monobel No. 4	Polar Monobel No. 14	35% Polar Forcite	30% Polar Forcite	
Coalspur	.....	29,993	.....	68,050	2,300	100,343
Pekisko	.....	.....	4,560	.....	.....	4,560
Pincher	.....	328	.....	.....	.....	328
Prairie Creek	690	27,050	1,209	.....	.....	28,949
Saunders	4,574	.....	5,447	.....	.....	10,021
Total	5,264	57,371	11,216	68,050	2,300	144,201

BITUMINOUS COAL FIELD

Areas	Names of Explosives			Total
	Polar Monobel No. 4	Polar Monobel No. 14	Polar Monobel No. 6	
Cascade	34,300	11,025	.....	45,325
Crownsnest	31,114¾	.....	.....	31,114¾
Highwood	.....	225	.....	225
Mountain Park	13,332	.....	63,127	76,459
Nordegg	19,680	.....	.....	19,680
Total	98,426¾	11,250	63,127	172,803¾

Number of tons of coal produced per pound of Explosives used for blasting coal:

DOMESTIC COAL FIELD

Areas	Number of tons of coal mined	Number of pounds of explosive used	Tons of coal mined per pound of explosive used
Ardley	17.723	7.330	2.42
Big Valley	2.594	695	3.73
Brooks	11.326	7.550	1.50
Camrose	59.646	1.403	42.51
Carbon	70.851	15.253	4.64
Castor	42.416	8.967	4.73
Champion	14.983	8.000	1.87
Drumheller	1,287.935	212.620	6.01
Edmonton	483.924	44.293	10.92
Gleichen	23.221	7.200	3.23
Halcourt	3.163	365	8.66
Lethbridge	327.817	59.849	5.47
Magrath	305	350	.87
Milk River	5.156	2.050	2.51
Pakan	95		
Pakowki	1.328	550	2.41
Pembina	50.420	276	182.68
Redcliff	30.418	2.300	13.22
Rochester	1.965		
Sexsmith	234	35	6.68
Sheerness	30.606	2.040	15.00
Taber	13.324	3.303	4.03
Tofield	51.208	6.190	8.27
Wetaskiwin	3.831	951	4.03
Whitecourt	317	58	5.46
No Area	2.399	50	47.98
Total	2,537.205	391.678	6.48

SUB-BITUMINOUS COAL FIELD

Coalspur	448.619	100.343	4.47
Morley	73		
Pekisko	5.673	4.560	1.24
Pincher	606	328	1.84
Prairie Creek	100.753	28.949	3.48
Saunders	42.962	10.021	4.29
Total	598.686	144.201	4.15

BITUMINOUS COAL FIELD

Cascade	206.732	45.325	4.56
Crowsnest	1,616.467	31.114 ¹ / ₄	51.95
Highwood	305	225	1.35
Mountain Park	1,011.252	76.459	13.22
Noidegg	234.441	19.680	11.91
Total	3,069.197	172.803 ¹ / ₄	17.76

THE MINES BRANCH

Estimated number of shots fired for blasting coal:

DOMESTIC COAL FIELD

Areas	Electric Deton- ators	Electric Squibs	Fuse	Squibs	Cardox Heaters	Total
Ardley			8,220			8,220
Big Valley			1,112	125		1,237
Brooks			60	3,775		3,835
Camrose	700		4,702			5,402
Carbon			17,546	265		17,811
Castor			6,448	952		7,400
Champion			7,249	11,816		19,065
Drumheller	43,445	53,599	97,647		19,184	213,875
Edmonton	32,676	2,230	36,106			71,012
Gleichen			12,300	240		12,540
Halcourt			715			715
Lethbridge	42,943		62	5,805	10,493	59,303
Magrath			400			400
Milk River			2,630	250		2,880
Pakowki			175	800		975
Pembina	50		51			101
Redcliff	1,466			750		2,216
Sexsmith			165			165
Sheerness		348	2,277			2,625
Taber			499	3,688		4,187
Tofield			2,675			2,675
Wetaskiwin				1,004		1,004
Whitecourt			139			139
No Area			154			154
Total	121,280	56,177	201,332	29,470	29,677	437,936

SUB-BITUMINOUS COAL FIELD

Coalspur	34,694		304			34,998
Pekisko	7,333		600			7,933
Pincher	515					515
Prairie Creek	29,998	1,076				31,074
Saunders			11,116			11,116
Total	72,540	1,076	12,020			85,636

BITUMINOUS COAL FIELD

Cascade	105,425					105,425
Crownsnest	35,380					35,380
Highwood	400		430			830
Mountain Park	57,598					57,598
Nordeg	28,150					28,150
Total	226,953		430			227,383

Number of miss-fire shots recorded in blasing coal in the Province:
DOMESTIC COAL FIELD

Areas	CO ₂ Heaters	Electric Deton- ators	Electric Squibs	Squibs	Fuse	Total
Ardley					16	16
Big Valley					2	2
Camrose					8	8
Carbon					13	13
Castor				7	11	18
Champion				2		2
Drumheller	81	8	26		40	155
Edmonton		2			45	47
Gleichen					15	15
Halcourt					1	1
Lethbridge	44	1		3		48
Milk River					8	8
Redcliff					6	6
Sexsmith					7	7
Sheerness					10	10
Taber					1	1
Tofield					25	25
No Area					1	1
Total	125	11	26	12	209	383

SUB-BITUMINOUS COAL FIELD

Pekisko		3			2	5
Saunders					7	7
Total		3			9	12

BITUMINOUS COAL FIELD

Cascade		1				1
Crowsnest		3				3
Highwood		1				1
Mountain Park		5				5
Total		10				10

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Quantity of Explosives used in pounds for blasting rock in Coal-mines in the Province:

Areas	Names of Explosives											Total			
	Pellets	Polar Monobel No. 4	Polar Monobel No. 6	Polar Monobel No. 14	40% Dynamite	60% Dynamite	Stopelite 60%	Polar Driftite	CXL-ITE	Stumping Powder	30% Polar Forcite		35% Polar Forcite	40% Polar Forcite	60% Polar Forcite
Carbon		175	400		50				3,800						225
Cascade															4,200
Castor	75														75
Champion				100	570				50						720
Coalspur															29,800
Crowsnest		359		308	3,278	100		340	16,154 ^{1/2}				2,200	10,300	64,661 ^{1/2}
Drumheller		5,339		100	250	18,827		1,300					44,770		25,064
Edmonton															1,400
Gleichen		2		50											52
Halcourt										565					565
Highwood					10										10
Lethbridge		972		1,195				1,500	5,961 ^{1/2}					88,236	2,167
Mountain Park						10,983			200						106,680 ^{1/2}
Nordegg															200
Pakowski	100														100
Prairie Creek									4,660						4,660
Redcliff		50		2,100											50
Saunders															2,150
Sheerness					1 ^{1/4}										1 ^{1/4}
Taber					149										149
Wetaskiwin		2													2
No Area									25						25
Total	225	6,899	400	3,853	4,307 ^{1/4}	11,083	18,827	1,500	32,491	565	200	17,100	46,970	98,536	242,956 ^{1/4}

Estimated number of shots fired for blasting rock in Coal-mines in the Province:

Areas	Electric Deton- ators	Squibs	Fuse	Delay Action Deton- ators	Total
Carbon			481		481
Castor			115		115
Cascade	5.900				5.900
Champion			1.065		1.065
Coalspur	3.348		534		3.882
Crowsnest	28.341			1.509	29.850
Drumheller	32.276		3.970		36.246
Edmonton	2.090				2.090
Gleichen			118		118
Halcourt			1.320		1.320
Highwood			8		8
Lethbridge	6.448				6.448
Mountain Park	21.398				21.398
Nordegg	300				300
Pakowki		100			100
Prairie Creek	4.815				4.815
Redcliff			80		80
Saunders			1,905		1,905
Sheerness			1		1
Taber			231		231
Wetaskiwin			3		3
No Area			50		50
Total	104.916	100	9.881	1.509	116.406

Number of miss-fire shots recorded in blasting rock in Coal-mines in the Province:

Castor			3		3
Crowsnest	9				9
Drumheller	1		4		5
Halcourt			10		10
Highwood			1		1
Mountain Park	23				23
Total	33		18		51

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ELECTRICITY

The rules for the installation and use of electricity in or about mines require a return to be made to the Department on or before January 15th of each year, giving size, type and any other particulars which may be required of electrical apparatus in use above and below ground. According to the returns received from the different mines, electricity was used in 74 different mines in 1940. A summary of these returns regarding the horse-power of electrical apparatus in use is given below.

Areas	No. of mines using Electricity	Horse-power of electrical apparatus in use		Total Horse-power
		Above Ground	Below Ground	
Ardley	1	7	60	67
Big Valley	1	15	35	50
Camrose	2	15	6 ¹ / ₂	21 ¹ / ₂
Carbon	6	157	288	445
Cascade	1	716	175	891
Coalspur	5	1,262 ¹ / ₂	465	1,727 ¹ / ₂
Crowsnest	5	14,115	2,120	16,235
Drumheller	22	3,108 ¹ / ₄	5,194	8,302 ¹ / ₄
Edmonton	7	746 ¹ / ₂	1,070 ¹ / ₂	1,817
Gleichen	2	12	5	17
Lethbridge	9	1,912 ¹ / ₂	1,085 ¹ / ₂	2,998
Mountain Park	3	2,459	1,375	3,834
Nordegg	1	649 ¹ / ₂	67	716 ¹ / ₂
Pembina	1	40	45	85
Pincher	1	5		5
Prairie Creek	2	67 ¹ / ₂	255	322 ¹ / ₂
Redcliff	2	70	120	190
Saunders	2	156 ¹ / ₂	183	339 ¹ / ₂
Taber	1	15	33	48
Total	74	25,529 ¹ / ₄	12,582 ¹ / ₂	38,111 ³ / ₄

COAL-CUTTING MACHINERY

Areas	No. of machines operated by		Tons of coal mined by	
	Electricity	Compressed air	Electricity	Compressed air
Ardley	2		11,818	
Big Valley	1		1,070	
Carbon	8		57,440	
Cascade		3		5,521
Castor		1		2,500
Champion		4		3,125
Coalspur		12		74,643
Crowsnest		184*		507,303
Drumheller	89		1,236,626	
Edmonton	17	4	301,103	17,688
Gleichen		1		5,100
Lethbridge	21	1	295,318	190
Milk River		1		245
Mountain Park		3*		3,500
Pakowki		1		566
Pembina	1		1,711	
Prairie Creek	4		93,246	
Redcliff	4		30,407	
Saunders		8		42,940
Taber	1	3	4,277	4,593
Total	148	226	2,033,016	667,914

*Compressed air operated 187 picks.

ACCIDENTS

Summary table showing Accidents occurring in Mines from 1906 to 1940 inclusive:

Year	Output	Accidents			Tons of coal mined per accident		
		Fatal	Serious	Slight	Fatal	Serious	Slight
1906	1,385,000	10	11	20	138,500	125,909	60,250
1907	1,834,745	19	18	68	96,565	101,930	26,981
1908	1,845,000	11	38	13	167,727	48,552	141,923
1909	2,174,329	9	42	18	241,952	51,769	120,796
1910	3,036,757	61a	41	58	49,782	71,067	52,375
1911	1,694,564	7	32	45	242,080	52,955	37,558
1912	3,446,349	21	38	58	164,111	90,693	59,419
1913	4,305,346	28	60	83	152,789	71,772	51,883
1914	3,821,739	209b	44	50	18,286	86,857	76,434
1915	3,434,891	18	33	33	190,827	104,087	104,087
1916	4,638,604	20	51	34	232,430	91,149	136,723
1917	4,863,414	24	62	39	202,642	78,442	124,703
1918	6,148,620	22	60	77	279,483	102,477	79,860
1919	5,022,412	21	56	54	239,162	89,685	93,008
1920	6,908,923	29	53	38	238,733	130,371	181,814
1921	5,937,195	21	64	25	282,721	92,769	237,488
1922	5,976,432	35	38	35	170,755	137,274	170,755
1923	6,866,923	22	44	10	312,133	156,066	686,692
1924	5,203,713	21	42	40	247,796	123,898	130,093
1925	5,883,394	30	59	56	196,113	99,718	105,060
1926	6,508,908	39c	67	119	166,398	97,148	54,696
1927	6,936,780	26	76	115	266,799	91,273	60,320
1928	7,334,179	28	71	122	261,935	103,298	60,166
1929	7,147,250	31	69	98	230,556	103,583	72,931
1930	5,755,911	11	69	97	523,265	83,419	59,339
1931	4,563,309	16	75	73	285,207	60,844	62,511
1932	4,867,984	11	61	96	442,544	79,803	50,708
1933	4,714,784	6	60	109	785,797	78,580	43,255
1934	4,748,848	15	68	70	316,589	69,836	67,840
1935	5,462,973	35d	66	113	156,085	82,772	48,352
1936	5,696,375	11	79	101	517,852	72,106	56,400
1937	5,551,682	20	72	73	277,584	77,107	76,050
1938	5,230,025	21e	72	135	249,049	72,639	38,741
1939	5,518,105	17	57	180	324,594	96,809	30,657
1940	6,205,088	13	79	97	477,314	78,545	63,970
Total	170,671,551	938	1,927	2,452	181,953	88,569	69,605

a. Including thirty-one deaths caused by the Bellevue Explosion.

b. Including one hundred and eighty-nine deaths caused by the Hillcrest Explosion.

c. Including ten deaths caused by the McGillivray Creek Coal & Coke Co., Ltd. Explosion.

d. Including sixteen deaths caused by the explosion at the Lethbridge Collieries Ltd., at Coalhurst.

e. Including five deaths caused by the explosion at Hinton Collieries Limited.

ACCIDENTS DURING 1940, CLASSIFIED ACCORDING TO THE COAL FIELD
IN WHICH THEY OCCURRED

Domestic	2,537,205	4	51	56	634,301	49,749	45,307
Sub-Bituminous	598,686	3	6	7	199,562	99,781	85,526
Bituminous	3,069,197	6	22	34	511,532	139,508	90,270

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Comparison of Accidents per 1,000,000 tons and per 1,000 men employed, 1915-1940:

Year	Tonnage	Total No. of men employed	Fatal Accidents			Serious Accidents			Slight Accidents			Total		
			No.	Per 1,000,000 tons	Per 1,000 men employed	No.	Per 1,000,000 tons	Per 1,000 men employed	No.	Per 1,000,000 tons	Per 1,000 men employed	No.	Per 1,000,000 tons	Per 1,000 men employed
1915	3,434,891	6,445	18	5.24	2.79	33	9.63	5.12	33	9.63	5.12	84	24.45	13.03
1916	4,538,604	7,570	20	4.31	2.64	51	10.99	6.74	34	7.33	4.49	105	22.61	13.87
1917	4,863,414	8,310	24	4.93	2.88	62	12.75	7.46	39	8.02	4.69	125	25.91	15.04
1918	6,148,620	8,774	22	3.57	2.51	60	9.95	6.84	77	12.52	8.78	159	25.85	18.12
1919	5,022,412	7,573	21	4.18	2.78	56	11.15	7.39	54	10.75	7.13	131	26.28	17.30
1920	6,908,923	8,688	29	4.20	2.99	53	7.81	6.10	38	5.50	4.37	120	17.37	13.81
1921	5,937,195	10,010	21	3.54	2.10	64	10.78	6.39	25	4.23	2.50	110	18.53	10.99
1922	5,976,432	8,547	35	5.86	4.09	38	6.36	4.45	35	5.86	4.09	108	18.07	12.64
1923	6,866,923	9,927	22	3.19	2.21	44	6.39	4.43	10	1.45	1.00	76	11.07	7.65
1924	5,203,713	7,317	21	4.03	2.86	42	8.07	5.74	40	7.68	5.47	103	19.79	14.35
1925	5,883,394	8,774	30	5.10	3.40	59	10.03	7.42	56	9.52	6.38	145	24.65	16.53
1926	6,508,908	8,753	39c	5.99	4.99	67	10.29	7.65	119	10.33	13.58	225	34.57	25.68
1927	6,936,780	9,016	26	3.75	2.88	76	10.96	8.43	115	16.50	12.71	217	31.28	23.08
1928	7,334,179	9,496	28	3.82	2.96	71	9.68	7.48	122	16.63	12.95	227	31.42	23.27
1929	7,147,250	9,572	31	4.31	3.24	69	9.65	7.21	98	13.71	10.31	178	27.42	20.30
1930	5,755,911	8,889	11	1.91	1.24	69	11.99	7.76	97	17.20	10.60	177	35.75	19.31
1931	4,563,309	8,070	16	3.51	1.98	75	16.44	9.27	73	16.00	9.04	161	35.32	20.32
1932	4,867,984	7,837	11	2.26	1.40	61	12.53	7.78	96	19.72	12.25	168	34.51	21.43
1933	*4,714,784	8,042	16	1.27	1.75	60	12.73	7.46	109	20.99	13.53	175	37.12	21.76
1934	*4,748,848	7,863	15	3.14	1.91	68	14.31	8.65	79	14.71	8.30	153	32.21	19.45
1935	*5,462,973	7,824	35d	6.40	4.71	66	13.08	8.44	113	20.68	14.44	214	39.17	27.35
1936	*5,696,375	8,110	11	1.93	1.36	73	13.97	8.71	101	17.43	12.43	191	33.53	23.55
1937	*5,551,682	7,836	20	2.60	2.35	72	13.97	9.19	135	17.15	9.32	228	43.59	31.06
1938	*5,230,925	7,411	17	4.01	2.35	72	13.76	9.71	135	23.81	18.21	238	43.59	31.06
1939	*5,518,105	7,456	17	3.08	2.27	57	10.35	7.63	180	32.60	24.14	254	46.03	34.66
1940	*6,203,088	7,416	13	2.10	1.70	79	12.75	10.63	97	13.63	13.08	189	30.46	25.48

c. Including 10 deaths by explosion at McGillivray Creek Coal & Coke Co., Ltd., Coleman.

d. Including 16 deaths by explosion at Lethbridge Collieries Ltd., Coalhurst.

e. Including 5 deaths by explosion at Hinton Collieries Ltd., Hinton.

*Output does not include coal produced by farmers under permit

Number of tons produced per accident:

DOMESTIC COAL FIELD

Areas	Output	Average No. of men employed	No. of tons produced per accident			
			Fatal	Serious	Slight	Total
Ardley	17,723	38		17,723		17,723
Big Valley	2,594	10			2,594	2,594
Brooks	11,326	12				
Camrose	59,646	93			59,646	59,646
Carbon	70,851	122				
Castor	42,416	91		21,208		21,208
Champion	14,983	44		14,983		14,983
Drumheller	1,287,935	1,715	429,312	41,546	58,543	22,999
Edmonton	483,924	649		48,392	37,225	21,040
Gleichen	23,221	68				
Halcourt	3,163	15				
Lethbridge	327,817	498	327,817	65,563	20,489	14,900
Magrath	305	2				
Milk River	5,156	13				
Pakan	95	4				
Pakowki	1,328	8				
Pembina	50,420	52				
Redcliff	30,418	39		30,418	10,139	7,605
Rochester	1,965	5				
Sexsmith	234	3				
Sheerness	30,606	36				
Taber	13,324	34				
Tabfield	51,208	51				
Wetaskiwin	3,831	12				
Whitecourt	317	1				
No Area	2,399	12				
Total	2,537,205	3,627	634,301	49,749	45,307	22,858

SUB-BITUMINOUS COAL FIELD

Coalspur	448,619	368		448,619	448,619	224,310
Morley	73	2				
Pekisko	5,673	14			2,837	2,837
Pincher	606	3				
Prairie Creek	100,753	151	50,377	25,188	33,585	11,195
Saunders	42,962	96	42,962	42,962	42,962	14,321
Total	598,686	634	199,562	99,781	85,527	37,418

BITUMINOUS COAL FIELD

Cascade	206,732	259		103,366	20,673	17,228
Crowsnest	1,616,467	1,720	808,233	146,952	115,462	59,869
Highwood	305	6				
Mountain Park	1,011,252	939	337,084	144,465	101,125	50,563
Nordeg	234,441	231	234,441	117,221		78,147
Total	3,069,197	3,155	511,533	139,509	90,271	49,503

SUMMARY

Domestic	2,537,205	3,627	634,301	49,749	45,307	22,858
Sub-Bituminous	598,686	634	199,562	99,781	85,527	37,418
Bituminous	3,069,197	3,155	511,533	139,509	90,271	49,503
Total	6,205,088	7,416	477,314	78,545	63,970	32,831

Classification of Accidents according to output of mines which produced during the year 1940:

	Under 1,000 tons	From 1,000 to 5,000 tons	From 5,000 to 10,000 tons	From 10,000 to 50,000 tons	From 50,000 to 100,000 tons	From 100,000 to 150,000 tons	From 150,000 to 200,000 tons	From 200,000 to 300,000 tons	Over 300,000 tons	Total
Fatal			1	1	1	4	2	1	1	13
Serious		4	1	17	21	21	14	7	15	79
Slight	1	4	2	21	21	14	14	13	21	97
Total	1	8	4	39	46	30	21	40		189

Tons of coal produced per accident:										
Fatal			138,498	870,939	230,040	297,237	716,147	525,212	477,314	
Serious	36,801	138,498	51,232	43,817	42,462	102,307	140,056	78,545		
Slight	49,481	36,801	69,249	41,473	43,817	42,462	55,088	100,040	63,970	
Total	49,481	18,400	34,625	22,332	20,004	19,816	34,102	52,521	32,831	

FATAL ACCIDENTS

M. Tumak, driller's helper, age 29, on January 9th, at the mine operated by Jasper Coal, Limited, Drinnan, caused by electrocution due to short circuit while assisting in drilling at a longwall face.

Joseph Urbaska, miner, age 46, on January 22nd, at the mine operated by the McGillivray Creek Coal & Coke, Ltd., Coleman, caused by a fall of top coal. He died shortly afterwards from internal injuries.

Anthony Resek, miner, age 44, on February 7th, at the mine operated by Mountain Park Coals, Ltd., Mountain Park, caused by a fall of coal knocking out some sets of timber, fracturing his skull and burying him under the cave.

Paul Ciputa, miner, age 50, on February 7th, at the mine operated by Mountain Park Coals, Ltd., Mountain Park, caused by a fall of coal knocking out some sets of timber, and suffocating him under the cave.

Fred Babiluk, miner, age 38, on February 16th, at the mine operated by Hinton Collieries, Ltd., Hinton, caused by a runaway car knocking him against the rib side of entry, fracturing his skull.

Ralph Rippon, labourer, age 19, on April 11th, at the mine operated by the International Coal & Coke Co., Ltd., Coleman, caused by steel plates falling from a wall in the tippie and pinning him underneath. He received internal injuries, and died shortly after.

Harry Cherchuk, miner, age 39, on September 16th, at the mine operated by K. D. Collieries, Ltd., Kaydee, caused by his being buried by a cave of coal.

Bert W. Martin, examiner, age 40, on September 16th, at the mine operated by the Alexo Coal Co., Ltd., Alexo, caused by an explosion of gas in 5th East Entry while making his morning inspection of the mine, before the commencement of work.

Robert Minue, oiler, age 20, on October 11th, at the mine operated by the Brazeau Collieries, Ltd., Nordegg. While attending to machinery used in connection with the briquetting of coal, he did in some manner not clearly disclosed, get caught at the feed end of a spiral conveyor and was drawn into the conveyor troughing. Death resulted due to traumatic shock and asphyxia, broken neck and other injuries.

Nicholas Slemko, miner, age 53, on November 7th, at the mine operated by the Rosedale Collieries, Ltd., Rosedale, caused by a fall of coal, fracturing the base of his skull, from which he died a few hours later.

John Trofanenko, driver, age 47, on November 9th, at the mine operated by the Murray Collieries, Ltd., East Coulee, caused by his falling underneath a trip of cars on No. 3 North, receiving groin and skull injuries causing instant death.

John Filchak, loader, age 59, on November 19th, at the mine operated by the Lethbridge Collieries, Ltd., No. 8 Mine, Lethbridge, caused by his being caught under a fall of rock causing instant death.

Frank Sipos, miner, age 41, on November 28th, at the mine operated by the Hy-Grade Coal Mining Co., Ltd., Drumheller, caused by his being crushed to death by a fall of rock from the roof.

THE MINES BRANCH

ACCIDENTS AS THEY OCCURRED BY MONTHS DURING THE YEAR 1940:

Months	Above Ground				Under Ground				Total Above and Under Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
January		1	1	2	2	7	14	23	25
February			2	2	3	8	4	15	17
March						4	3	7	7
April	1			1		5	1	6	7
May			4	4		3	4	7	11
June			1	1		1	4	5	6
July						1	5	6	6
August		1		1		6	1	7	8
September					2	7	7	16	16
October	1	2	2	5		14	14	28	33
November		4	4	8	4	7	13	24	32
December		2	2	4		6	11	17	21
Total	2	10	16	28	11	69	81	161	189

ACCIDENTS OCCURRING IN THE PROVINCE ABOVE AND BELOW GROUND
DURING THE YEAR 1940:

Cause	Above Ground				Under Ground				Total Above and Under Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
Haulage		2		2	2	22	9	33	35
Fall of rock					2	16	15	33	33
Fall of coal					5	15	8	28	28
Loading coal						3	13	16	16
Unloading rock							2	2	2
Timbering							2	2	2
Coal-cutting machinery			1	1	1	3	2	6	7
Tippie machinery	1	2	2	5					5
Conveyor machinery							2	2	2
Coupling cars						1	3	4	4
Uncoupling cars							1	1	1
Ignition of acetylene gas			2	2					2
Ignition of methane gas					1		2	3	3
Box cars		2	1	3					3
Miscellaneous	1	4	10	15		9	22	31	46
Total	2	10	16	28	11	69	81	161	189

Accidents occurring in the Province above and under ground for the year 1940.
classified according to the areas in which they occurred:

DOMESTIC

Area	Above Ground				Under Ground				Total Above and Under Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
Ardley			1	1		1		1	1
Big Valley			1	1					1
Camrose			1	1					1
Castor						2		2	2
Champion						1		1	1
Drumheller		2	3	5	3	29	19	51	56
Edmonton		2	3	5		8	10	18	23
Lethbridge		2		2	1	3	16	20	22
Redcliff						1	3	4	4
Total		6	8	14	4	45	48	97	111

SUB-BITUMINOUS

Coalspur						1	1	2	2
Pekisko							2	2	2
Prairie Creek					2	4	3	9	9
Saunders		1		1	1		1	2	3
Total		1		1	3	5	7	15	16

BITUMINOUS

Cascade			4	4		2	6	8	12
Crowsnest	1	1	2	4	1	10	12	23	27
Mountain Park		2	2	4	3	5	8	16	20
Nordegg	1		1	1		2		2	3
Total	2	3	8	13	4	19	26	49	62

	6	8	14	4	45	48	97	111
Timbering, struck by falling timber						1	1	1
Coal-cutting Machinery, jack was caught with cutter chain and struck him						1	1	1
Coal-cutting Machinery, jack slipped and caught arm while raising machine			1		1		1	1
Coal-cutting Machinery, cutter bar fell on his foot							1	1
Coal-cutting Machinery, jack fell and struck him							1	1
Coal-cutting Machinery, jack fell on his hand						1	1	1
Coal-cutting Machinery, machine bounced back and struck him							1	1
Coal-cutting Machinery, leg caught by conveyor machinery	1		1					
Tipple Machinery, hand caught in gears		1						
Tipple Machinery, hand caught in gears	1		1					
Conveyor Machinery, fell against saw while it was in motion								
Conveyor Machinery, conveyor pan fell on his hand						1	1	1
Conveyor Machinery, conveyor pan fell on his foot						1	1	1
Coupling Cars, caught between moving cars					1		1	1
Coupling Cars, finger caught while coupling cars						1	1	1
Coupling Cars, hand caught while coupling cars						1	1	1
Uncoupling Cars, hand caught when cars bumped together						1	1	1
Ignition of Acetylene, while opening a carbide drum, gas was ignited by his cigarette			1					1
Ignition of Acetylene, ignited gas with open light when approaching store room		1	1					1
Miscellaneous, slipped and fell		1	3					1
Miscellaneous, hand caught by safety catches of cage	2	1			2	4	6	9
Miscellaneous, missed his step on ladder and fell					1	1	1	1
Miscellaneous, stumbled and fell			1		1		1	1
Miscellaneous, struck by falling coal from chute		1	1					1
Miscellaneous, finger caught while handling timber						1	1	1
Miscellaneous, piece of coal struck his eye					1		1	1
Miscellaneous, fell in chute	1		1					1
Miscellaneous, fell when his foot was caught		1	1				1	1
Total	6	8	14	4	45	48	97	111

SUB-BITUMINOUS

Cause	Above Ground			Under Ground			Total Above and Under Ground
	Fatal	Serious	Slight	Fatal	Serious	Slight	
Rope Haulage, struck by runaway cars				1	3		4
Rope Haulage, struck by rope when it broke					1		1
Horse Haulage, arm caught between top of car and roof					1		1
Hand Haulage, car jumped track and caught foot		1					1
Fall of rock at longwall face						1	1
Fall of coal in pillar					1		1
Loading Coal, while shovelling coal he fell in chute						1	1
Coal-cutting Machinery, electrocuted				1			1
Ignition of Methane Gas, cause unknown						2	2
Explosion of Fire-damp, gas ignited while Examiner was making morning inspection				1			1
Miscellaneous, hit by bar while breaking lump of coal						1	1
Miscellaneous, struck with axe						1	1
Total		1		3	5	7	16

BITUMINOUS

Rope Haulage, foot caught by rope					1		1
Rope Haulage, caught in entanglement of air hoist rope with main and tail trip					1		1
Rope Haulage, caught between moving trip and chute					1		1
Rope Haulage, finger caught between car and roadside					1		1
Rope Haulage, struck by moving car					1		1
Horse Haulage, caught between moving cars and trap door					1		1
Fall of rock in pillar					2		2
Fall of rock in room						1	1
Fall of rock in entry						2	2
Fall of coal in pillar				1			1
Fall of coal in room				3			3
Fall of coal on entry					1		1
Chute Loading, lamp battery was bumped against his side while pushing coal down chute						1	1
Loading Coal, hand caught by coal on conveyor					1		1
Loading Coal, fell when platform broke						1	1
Loading Rock, hand caught against timber						1	1
Unloading Coal, fell against handle of wheelbarrow						1	1

	1	2	3	8	13	4	19	26	49	62
Timbering, cap-piece fell on his foot	1								1	1
Tipple Machinery, caught in worm conveyor				1						1
Tipple Machinery, finger caught between shaker and guard rest				1						1
Coupling Cars, hand caught while coupling cars								1		1
Box Cars, caught between moving box car and box car loader		2								2
Box Cars, hand caught by wheel of box car				1					1	1
Miscellaneous, struck with axe							2		6	8
Miscellaneous, slipped and fell	1									1
Miscellaneous, steel plates fell on him				1					1	1
Miscellaneous, hand struck by hammer										1
Miscellaneous, timber fell on hand				1						1
Miscellaneous, bench vise fell on foot										1
Miscellaneous, finger caught while handling timber							1		1	1
Miscellaneous, struck by falling timber				1					1	1
Miscellaneous, struck by hammer										1
Miscellaneous, struck by axe										1
Miscellaneous, finger caught between rail and car wheel				1					1	1
Miscellaneous, thrown to ground when team ran away		1							2	2
Miscellaneous, slipped while spragging cars				1					1	1
Miscellaneous, fell against car							1		1	1
Miscellaneous, slipped while lifting timber							1		1	1
Miscellaneous, injured by runaway team				1						1
Total	2	2	3	8	13	4	19	26	49	62
SUMMARY										
Domestic		6		8	14	4	45	48	97	111
Sub-Bituminous		1			1	3	5	7	15	16
Bituminous	2	3		8	13	4	19	26	49	62
Total	2	10	16	28	11	69	81	161	189	

THE MINES BRANCH

Accidents during 1940, classified according to the Mine in which they occurred:

DOMESTIC COAL FIELD

Name of Operator	Area	Above Ground			Under Ground			Total Above and Under Ground
		Fatal	Serious	Slight	Fatal	Serious	Slight	
Super-Heat Coal Co., Ltd.	Ardley					1		1
Mrs. William Watson	Big Valley			1				1
Canadian Dinant Coal Co., Ltd.	Camrose		1					1
A. J. James	Castor					1		1
Mrs. Dan Shaw	Castor					1		1
Alex Fraser	Champion					1		1
Rosedale Collieries, Ltd. (Rosedale)	Drumbeller			1				1
Red Valley Coal Co., Ltd.	Drumbeller					1		1
Rosedale Collieries, Ltd. (Star Mine)	Drumbeller					1		1
Wayne Coal Producers Association, Ltd.	Drumbeller				1	2		3
Maple Leaf Minerals, Ltd.	Drumbeller					2		2
Elgin Coal Co., Ltd.	Drumbeller			1				1
Brilliant Coal Co.	Drumbeller					1		1
Empire Collieries, Ltd. (Willow Creek)	Drumbeller			1				1
Empire Collieries, Ltd. (East Coulee)	Drumbeller					1		1
Hy-Grade Coal Mining Co., Ltd.	Drumbeller					1		1
Monarch Coal Mining Co., Ltd.	Drumbeller		1			6		7
Regal Coal Co., Ltd.	Drumbeller					1		1
Murray Collieries, Ltd.	Drumbeller					3		3
Western Gem & Jewel Collieries, Ltd.	Drumbeller		1			1		2
Aetna Coal Co.	Drumbeller					1		1
Minute Coal Co.	Drumbeller					1		1
Great West Coal Co., Ltd.	Edmonton			1				1
Dawson Coal, Ltd.	Edmonton					1		1
Banner Coals, Ltd.	Edmonton					1		1
Marcus Coals, Ltd.	Edmonton					2		2
James Moran & Son	Edmonton					1		1
Beverly Coal Co., Ltd.	Edmonton					1		1
Ottewill Coal Co.	Edmonton					1		1
Kent Coal Co., Ltd.	Edmonton			1				1
John May & Partners	Edmonton		1			2		3
J. J. Hamilton Coal Co.	Lethbridge							
Razzolini & Bridaroli	Lethbridge							
J. C. Chester	Lethbridge					1		1
Royal View Mine	Lethbridge	2						2

SUB-BITUMINOUS COAL FIELD									
Lethbridge Co-operative Mines Association, Ltd.									
Lethbridge Collieries, Ltd. (Lethbridge)									
Lethbridge Collieries, Ltd. (Shaughnessy)									
Gunderson Brick & Coal Co., Ltd.									
Total	6	8	14	4	45	48	97	111	
SUB-BITUMINOUS COAL FIELD									
Foothills Collieries, Ltd.									
McLeod River Hard Coal Co., Ltd.									
Harry Swan									
Hinton Collieries, Ltd.									
Jasper Coal, Ltd.									
Bighorn & Saunders Creek Collieries, Ltd.									
Alexo Coal Co., Ltd.									
Total	1		1	3	5	7	15	16	
BITUMINOUS COAL FIELD									
Cannore Mines, Ltd.									
West Canadian Collieries, Ltd. (Bellevue)									
International Coal & Coke Co., Ltd.									
McGillivray Creek Coal & Coke Co., Ltd.									
West Canadian Collieries, Ltd. (Greenhill Mine)									
Mountain Park Coals, Ltd.									
Luscar Coals, Ltd.									
K. D. Collieries, Ltd.									
Brazeau Collieries, Ltd.									
Total	2	3	8	13	4	19	26	45	62

THE MINES BRANCH

LIST OF PROSECUTIONS UNDER THE MINES ACT. FOR THE YEAR ENDING DECEMBER 31, 1940

Mine in which Contravention was Committed	Description of Defendant	Offence Charged	Result of Proceedings	Penalty	Costs
South Bank of Saskatchewan River	Farmer	Unlawfully mined and removed coal from south bank of Saskatchewan river	Convicted	Fined \$1.00 or 5 days in jail	\$ 6.25
South Bank of Saskatchewan River	Farmer	Unlawfully mined and removed coal from south bank of Saskatchewan river	Convicted	Fined \$1.00 or 5 days in jail	6.85
Illegal Mine L.S. 10 of 8-51-25-4	Farm hand	Unlawfully mined and removed coal from L.S. 10 of 8-51-25-4	Convicted	Fined \$1.00 and costs	4.30
Illegal Mine L.S. 10 of 8-51-25-4	Farmer	Unlawfully mined and removed coal from L.S. 10 of 8-51-25-4	Convicted	Fined \$1.00 and costs	4.30
Illegal Mine L.S. 10 of 8-51-25-4	Farmer	Unlawfully mined and removed coal from L.S. 10 of 8-51-25-4	Not Convicted	Fined \$20.00 and costs or 30 days	5.35
Nimko & Senecko	Operator	Operated mine without an overman in charge	Convicted		
Jasper Coal, Limited	Manager	Being the Manager he did permit a workman to be engaged as a driller's helper in the mine without such helper being the holder of the requisite certificate to qualify him to do the work	Not Convicted		
On river bank about half a mile north of Horz Mine	Farmer	He did mine coal without the permission of the Chief Inspector of Mines	Convicted	Fined \$1.00	6.50
On his farm near the river just opposite Horz Mine, but on the other side of the river	Farmer	He did mine coal without the permission of the Chief Inspector of Mines	Convicted	Two months suspended sentence	
Jasper Coal, Limited	Examiner	While in charge as Examiner of a longwall face, he appointed or ordered a miner to repair an electric cable knowing such person was not competent for the work he was set to do	Convicted	Fined \$5.00	11.75
Hinton Collieries, Limited	Miner	He did fail to obey a lawful order of the onsetter	Convicted	Fined \$1.00	6.29
Hinton Collieries, Limited	Miner	He did fail to obey a lawful order of the onsetter	Convicted	Fined \$1.00	6.29
Hinton Collieries, Limited	Master mechanic	While capping a rope he did fail to clean thoroughly the untwisted wires of the rope before he poured the white lead into the socket	Convicted	Fined \$15.00	7.45
Alex. J. Johnson	Operator & overman	Leaving 6 3/4 sticks of black powder, pellet powder, in the mine after work had been discontinued	Convicted	Fined \$1.00	2.50
McGillivray Creek Coal & Coke Co., Ltd.	Miner	Having in his possession a lucifer match in the mine in contravention of The Mines Act	Convicted	Fined \$1.00 and costs or 7 days in jail	6.00
Alexo Coal Co., Ltd.	Overman	Failed to see fan was running as required by Regulation 6	Convicted	Fined \$25.00 and costs	4.00
Comet Coal Co., Ltd.	Working as a miner	Working at a working face in a coal mine not being the holder of a certificate of competency as a coal miner for Alberta	Convicted	Fined \$25 and costs or 30 days with hard labour	1.75
Comet Coal Co., Ltd.	Working as a miner	Obtaining employment by means of fraudulent certificate of competency as a coal miner	Convicted	Fined \$25 and costs or 30 days with hard labour	5.25

NUMBER OF MINES OPENED, ABANDONED AND RE-OPENED ACCORDING TO
AREAS AND KIND OF COAL, DURING THE YEAR

Area	Area Number	Character of Coal	No. of Mines in operation Dec. 31, '40	Mines opened during the year	Mines re-opened during the year	Mines closed but not abandoned	Mines abandoned during the year	Name and Address of District Inspector of Mines
Ardley	1	Domestic	9	1				John Crawford, 401 Terrace Bldg., Edmonton, Alta. Tel. No. 916480.
Big Valley	2	Domestic	4					
Camrose	5	Domestic	7				1	
Carbon	6	Domestic	9			1	2	
Castor	8	Domestic	31	1			3	
Edmonton	15	Domestic	16		1		3	
Tofield	42	Domestic	3				1	W. E. G. Hall, Lethbridge, Alta. Tel. No. 3325.
Wetaskiwin	45	Domestic	3	1			1	
No Area		Domestic					1	
Brooks	3	Domestic	2					
Champion	9	Domestic	7				1	
Lethbridge	20	Domestic	13			1	1	
Magrath	21	Domestic	1					Thomas Horne, Edson, Alta. Tel. No. 35, Residence.
Milk River	22	Domestic	4					
Pakowki	28	Domestic	4					
Redcliff	34	Domestic	2					
Taber	41	Domestic	10			3	1	
Coalspur	11	Sub-Bituminous	5			1		
Mountain Park	24	Bituminous	4					E. H. Morgan, Blairmore, Alta. Tel. No. 70.
Pembina	31	Domestic	3			1		
Prairie Creek	33	Sub-Bituminous	1				1	
Crowsnest	12	Bituminous	8				2	
Pincher	32	Sub-Bituminous	1				1	
Carbon	6	Domestic	5					W. G. Heeley, New Court House Building, Calgary, Alta. Tel. No. M842-84.
Cascade	7	Bituminous	2					
Drumheller	14	Domestic	10	1	1		1	
(Wayne)								
Gleichen	17	Domestic	3					
Highwood	19	Bituminous	1					
Morley	23	Sub-Bituminous	1					J. T. Burton, Drumheller, Alta. Tel. No. 413.
Nordeg	25	Bituminous	1					
Pekisko	30	Sub-Bituminous	4				1	
Saunders	36	Sub-Bituminous	3				1	
Drumheller	14	Domestic	19	1		2		
Gleichen	17	Domestic	4					A. B. Hunter, Edmonton, Alta. Tel. No. 916415.
Sheerness	38	Domestic	13				1	
Edmonton	15	Domestic	13				1	
Halcourt	18	Domestic	5			2		
Whitcourt	46	Domestic	1	1			1	
Pakan	27	Domestic	1				1	
Rochester	35	Domestic	2					
Sexsmith	37	Domestic	1					
No Area		Domestic	1				4	
Total			235	6	2	24	22	

In addition to the above, Mr. A. B. Hunter, 10898 75th Street, Edmonton, is acting in the capacity of Assistant Chief Inspector of Mines, Telephone No. 72212.

In addition to the above, Mr. Burton Tait is the Electrical Inspector for all mines in the Province. His address is 5 Normandie Apts., and the telephone No. 23716.

THE MINES BRANCH

BOARD OF EXAMINERS

The Provincial Board of Examiners during the year 1940 consisted of the following:

As representing:

- (a) The Mine Inspectorate:
Andrew A. Millar, Chief Inspector of Mines.
- (b) Managers:
A. C. Dunn, James Cumberford.
- (c) Working Miners:
William Lammie, Evan Morgan.

Secretary, A. B. Hunter.

Examinations during the year were held as follows:

For third class at the following centres: Edmonton, Drumheller, Blairmore, Cadomin and Nordegg on May 28th and Lethbridge on June 6th.

For first and second class on June 4, 5 and 6 at Canmore, Drumheller, Edmonton, Lethbridge and Blairmore.

For Mine Surveyors on June 6th at Edmonton.

Twelve candidates presented themselves for examination for first class certificates, of whom three were successful. This included one candidate for Supplementary Examination, who was successful.

Twenty-three candidates presented themselves for examination for second class certificates, of whom seven were successful. Two candidates sat Supplementary Examinations for second class, but both were unsuccessful in passing.

Thirty-six candidates presented themselves for third class certificates, of whom 15 were successful.

Under the provisions of The Mines Act, 1939, the Minister appointed a Board of Examiners for the examination of candidates for certificates of competency as mine electricians.

This Board consists of Mr. A. B. Hunter, acting as chairman, and Mr. Burton Tait, Electrical Inspector of Mines, as the other member.

Examinations were held in five centres during the year as follows: Edmonton May 28th, Drumheller Sept. 10th, Lethbridge Sept. 16th, and Edmonton Nov. 14th and Dec. 23rd.

Twenty-four candidates presented themselves for mine electricians certificates, of whom 20 were successful.

The successful candidates for all certificates are in the list following herewith:

LIST OF NAMES OF HOLDERS OF FIRST, SECOND AND THIRD CLASS AND
MINE ELECTRICIANS' CERTIFICATES

Issued by the Government of the Province of Alberta during the year 1940

FIRST CLASS

Name	Address	Cert. No.	Date of Issue
Congdon, Milton H.	Blairmore	1	17- 7-40
McMullen, Arthur	Nordegg	3	6-11-40
Thomas, David R.	Edmonton	2	12-10-40

SECOND CLASS

Campbell, James	Calgary	94	20-12-40
Douglas Peter S. Jr.	Cadomin	93	22- 4-40
Thompson, Joseph	Carbon	91	9- 1-40
Barclay Peter	Rosedale	4	3- 8-40
Dunn, Robert	Willow Creek	6	12- 8-40
Griffiths, Edward	Foothills	1	3- 8-40
Mrokwia, Victor Jr.	Canmore	2	3- 8-40
Scarpino, Eugene M.	Rosedale	5	4- 9-40
Trevethin, Mark	Wayne	3	3- 8-40

THIRD CLASS

Name	Address	Cert. No.	Date of Issue
Allen, William H.	Newcastle (duplicate)	409	14- 9-40
Blake, Raymond	Bellevue	408	29- 2-40
Leckie, Samuel	Rosedale Station	407	26- 1-40
Aschaker, Martin	Blairmore	1	3- 8-40
Batty, George	Nordegg	3	3- 8-40
Craig, Robert T. S.	Nordegg	4	3- 8-40
Chalmers, Robert	Edmonton	15	26-11-40
Dobson, Roy C.	Lethbridge	2	3- 8-40
Damico, Zupito	Nordegg	8	3- 8-40
Emmerson, Charles A.	Bellevue	5	3- 8-40
James, John C.	Mountain Park	7	3- 8-40
James, William	Mountain Park	14	6-11-40
Mitchell, Robert A.	Luscar	10	4- 9-40
Mather, John H.	Namao	13	29-10-40
Roberts, William	Rosedale	11	4- 9-40
Schnepf, Karl J.	Rosebud	6	3- 8-40
Smith, James	Nordegg	9	3- 8-40
Watters, John J.	Edmonton	12	19- 9-40

MINE ELECTRICIANS

Anderson, Julius	Wayne	87	10- 9-40
Angelo, Steve	Drumheller	88	10- 9-40
Brown, Hugh R.	Carbon	95	12- 9-40
Bucholtz, Robert C.	Redcliff	98	16- 9-40
Barrell, William	Ardley	101	14-11-40
Chapman, James R.	Alexo	84	25- 5-40
Craig, Andrew	Nacmine	91	11- 9-40
Edwards, Mark	Entwistle	100	14-11-40
Finlayson, John C.	Robb	102	15-11-40
Hoole, Wm.	East Coulee	86	10- 9-40
Henderson, Patrick H.	Lethbridge	97	16- 9-40
Johnson, Albert E.	Drumheller	85	10- 9-40
Lattin, Albert	Drumheller	89	10- 9-40
Laslop, Ignac	Midlandvale	92	11- 9-40
Manning, Thomas	Drumheller	93	11- 9-40
Nelson, Leonard G.	Lethbridge	96	16- 9-40
O'Dwyer, John J.	Midlandvale	90	10- 9-40
Stewart, R. T.	Edmonton	99	14-11-40
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